

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Jane Hirsh, Roman V. Rariy, Shubha Chungi, Michael Heffernan and
Srinivas G. Rao

Serial No.: 10/690,947

Art Unit: 1615

Filed: October 22, 2003

Examiner: Humera N. Sheikh

For: *MODIFIED RELEASE COMPOSITIONS OF MILNACIPRAN*

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

DECLARATION UNDER 37 C.F.R. § 1.132

The undersigned, Dr. Martin Keller, does hereby declare and state that:

1. I am the Mary E. Zucker Professor and Chairman of the Department of Psychiatry and Human Behavior at Brown Medical School in Providence, RI, as well as Psychiatrist-in-Chief at Butler Hospital and Executive Psychiatrist-in-Chief at the six Brown Medical School affiliated hospitals. I have received more than 20 research grant awards from the NIH and numerous grants from research foundations and the pharmaceutical industry. I am the recipient of the 1998 National Alliance for Research on Schizophrenia and Depression (NARSAD) Lieber award for research on the causes, pathophysiology, treatment, and prevention of depression. I was awarded the 1999 Klerman Lifetime Research Award from the National Depression and Manic Depression Association. I was also the recipient of the 2001 American College of Psychiatrists

Mood Disorders Lifetime Research Award for major research contributions to the understanding and treatment of mood disorders and 2005 Voice of Mental Health Award from The Jed Foundation for contributions in the area of suicide prevention. My CV is attached as Appendix A.

2. This application is assigned to Collegium Pharmaceutical. I have not been paid to render this opinion nor am I an inventor or direct beneficiary of this application.

However, I have a financial interest in Collegium Pharmaceutical as an owner of less than 0.3% of the outstanding shares of the company.

3. Collegium has asked me to render an opinion on the non-obviousness of the modified release milnacipran formulation defined by the claims in U.S.S.N. 10/690,947 filed October 22, 2003. In order to render this opinion, I have reviewed the published patent application (Appendix B), the amendment and response filed on April 17, 2007 (Appendix C), and the Office Action mailed September 20, 2007 and references cited therein (Appendix D).

4. It is well known that Milnacipran (Ixel®, Pierre Fabre) which is available as an antidepressant outside of the US has demonstrated numerous adverse reactions in human clinical trials with side effects increasing with an increasing dose. Given that the side effects associated with Milnacipran administration are well pronounced even at the fairly low daily doses (i.e., 50 mg per day) administered twice-a-day (as it can be seen from Table 1 of U.S.S.N. 10/690,947), it was not obvious how to develop a once-a-day formulation that would deliver a therapeutic Milnacipran dose and demonstrate diminished incidence and reduced intensity of side effects relative to the immediate release product. This is especially a problem in that the drug is being developed in the US

for the treatment of Fibromyalgia and recent published Phase III clinical trial data has shown the need to use doses as high as 200 mg per day. In these trials, 200 mg of milnacipran per day administered twice-a-day in an immediate release formulation. The incidence of nausea and vomiting was in the range of 40%. Traditionally, when a twice-a-day immediate release formulation shows an acceptable side effect profile and once-a-day formulation of the same drug is desired, an extended release formulation is the choice of one ordinarily skilled in the art. It is important to note that milnacipran is a very unique molecule in that it is a norepinephrine serotonin reuptake inhibitors or NSRI (as compared to a selective serotonin reuptake inhibitor (SSRI)) and has a norepinephrine (NE) to serotonin reuptake (5-HT) blockade ratio that is 2:1. This results in some unique tolerability challenges compared to the better known SSRI's (e.g., fluoxetine). It was only through the extraordinary understanding of the pharmacology and pharmacokinetics of (NSRI's) and intuition of the inventors that it was determined that based upon the published milnacipran side effect data that the side effects may be both locally *and* centrally mediated. This led to the design of a customized modified (delayed and extended) formulation of milnacipran that combined a delayed release component to alleviate locally mediated side effects with an extended release formulation that lowered the slope of the plasma curve and increased T_{max} to effectively decrease centrally mediated side effects and provided for a once-a-day administration of the drug. As evidenced by the small yet confirmatory clinical trial, the delayed and extended release once-a-day formulation resulted in a favorable tolerability profile. Moreover, the unmet long-standing need for Milnacipran once-a-day formulation with diminished incidence and reduced intensity relative to one or more immediate release Milnacipran side effects

demonstrates the complexity of the problem and characterizes a skill set that is above of that of an ordinary skilled in the art required to solve it.

5. Only through a careful understanding of the relationship of the therapeutic dose to plasma levels, knowledge of the pharmacology of NSRI's and the onset of side effects could a modified dosage form be designed that reduces, diminishes, or prevents locally mediated and centrally mediated side effects while still providing a high enough dose to be efficacious. The present application discloses the pharmacokinetic profiles necessary to achieve this delicate balance between maintaining a therapeutically effective plasma level and reducing the incidence and/or severity of unwanted side effects and discloses the formulations necessary to achieve these profiles. These modified release formulations, their pharmacokinetic profiles and their effectiveness in reducing the incidence of common milnacipran side effects is generally demonstrated by reference to the data attached in Appendix E. This data demonstrates that the formulations provide *in vivo* drug plasma levels characterized by a T_{max} at 4-10 hours and an approximately linear drop-off thereafter and a C_{max} below 3,000 ng/ml. Further, **none** of the subjects at any given time during the bioavailability study conducted under **fasting** conditions experienced any of the common side effects of milnacipran such as nausea, vomiting, sweating and tremors (it is important to note that Milnacipran side effects are the most pronounced under **fasting** conditions). These data establish that the presently claimed modified release formulations are effective to deliver efficacious levels of milnacipran over an extended period of time while diminishing incidence and reducing intensity relative to one or more immediate release Milnacipran side effects.

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6. I declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

12/14/07
Date

Martin Keller
Dr. Martin Keller

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Appendix C: Amendment and response filed April 17, 2007

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Srinivas G. Rao

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For: *MODIFIED RELEASE COMPOSITIONS OF MILNACIPRAN*

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

AMENDMENT AND RESPONSE

Sir:

Responsive to the Office Action mailed on January 17, 2007, please amend the application as follows. It is believed that no additional fee is required with this submission. However, should an additional fee be required, the Commissioner is hereby authorized to charge the fee to Deposit Account No. 50-3129.

Amendment

In the Claims

1-22. Canceled

23. (currently amended) A method of making a milnacipran formulation comprising providing ~~the formulation of claim 1~~ a milnacipran formulation that provides delayed or extended release of milnacipran to produce a therapeutic effect over approximately 24 hours when administered to a patient in need, with diminished incidence or reduced intensity relative to one or more immediate release milnacipran side effects.

24. (currently amended) A method for delivering a therapeutic dose of milnacipran to a patient in need thereof, with diminished incidence or reduced intensity of common milnacipran side effects, comprising administering to the patient in need thereof ~~the milnacipran formulation of claim 1~~ a milnacipran formulation that provides delayed or extended release of milnacipran to produce a therapeutic effect over approximately 24 hours when administered to a patient in need, with diminished incidence or reduced intensity relative to one or more immediate release milnacipran side effects.

25. (new) The method according to Claim 24, wherein the side effect is nausea.

26. (new) The method according to Claim 24, wherein the side effects are selected from the group consisting of vomiting, headache, tremulousness, anxiety, panic attacks, palpitations, urinary retention, orthostatic hypotension, diaphoresis, chest pain, rash, weight gain, back pain, constipation, vertigo, increased sweating, agitation, hot

flushes, tremors, fatigue, somnolence, dyspepsia, dysoria, nervousness, dry mouth, abdominal pain, irritability, and insomnia.

27. (new) The method according to Claim 24, wherein the formulation has a milnacipran release profile that is characterized by release of less than approximately 10% of the total dose over a period up to four hours, followed by a slow or extended drug release.

28. (new) The method according to Claim 27, wherein the defined period of time is between approximately four and approximately twenty-four hours.

29. (new) The method according to Claim 24, wherein the formulation provides milnacipran blood plasma levels that are characterized by T_{max} at 4-10 hours, and C_{max} below approximately 3000 ng/ml.

30. (new) The method according to Claim 29, wherein the formulation provides milnacipran blood plasma levels that are characterized by C_{max} below approximately 2000 ng/ml.

31. (new) The method according to Claim 24, wherein the formulation provides milnacipran blood plasma levels that are characterized by C_{max} below approximately 1000 ng/ml.

32. (new) The method according to Claim 24, wherein the formulation further comprises at least one other active compound selected from the group consisting of analgesics, anti-inflammatory drugs, antipyretics, antidepressants, antiepileptics, antihistamines, antimigraine drugs, antimuscarinics, anxiolytics, sedatives, hypnotics, antipsychotics, bronchodilators, anti asthma drugs, cardiovascular drugs, corticosteroids,

dopaminergics, electrolytes, gastro-intestinal drugs, muscle relaxants, nutritional agents, vitamins, parasymphomimetics, stimulants, anorectics, and anti-narcoleptics.

33. (new) The method according to Claim 32, wherein the formulation comprises compounds selected from the group consisting of aceclofenac, acetaminophen, adomoxetine, almotriptan, alprazolam, amantadine, amcinonide, aminocyclopropane, amitriptyline, amolodipine, amoxapine, amphetamine, aripiprazole, aspirin, atomoxetine, azasetron, azatadine, beclomethasone, benactyzine, benoxaprofen, bermoprofen, betamethasone, bicifadine, bromocriptine, budesonide, buprenorphine, bupropion, buspirone, butorphanol, butriptyline, caffeine, carbamazepine, carbidopa, carisoprodol, celecoxib, chlordiazepoxide, chlorpromazine, choline salicylate, citalopram, clomipramine, clonazepam, clonidine, clonitazene, clorazepate, clotiazepam, cloxazolam, clozapine, codeine, corticosterone, cortisone, cyclobenzaprine, cyproheptadine, demexiptiline, desipramine, desomorphine, dexamethasone, dexanabinol, dextroamphetamine sulfate, dextromoramide, dextropropoxyphene, dezocine, diazepam, dibenzepin, diclofenac sodium, diflunisal, dihydrocodeine, dihydroergotamine, dihydromorphine, dimetacrine, divalproxex, dizatriptan, dolasetron, donepezil, dothiepin, doxepin, duloxetine, ergotamine, escitalopram, estazolam, ethosuximide, etodolac, femoxetine, fenamates, fenoprofen, fentanyl, fludiazepam, fluoxetine, fluphenazine, flurazepam, flurbiprofen, flutazolam, fluvoxamine, frovatriptan, gabapentin, galantamine, gepirone, ginko bilboa, granisetron, haloperidol, huperzine A, hydrocodone, hydrocortisone, hydromorphone, hydroxyzine, ibuprofen, imipramine, indiplon, indomethacin, indoprofen, iprindole, ipsapirone, ketaserin, ketoprofen, ketorolac, lesopitron, levodopa, lipase, lofepramine, lorazepam, loxapine, maprotiline, mazindol,

mefenamic acid, melatonin, melitracen, memantine, meperidine, meprobamate, mesalamine, metapramine, metaxalone, methadone, methamphetamine, methocarbamol, methyl dopa, methylphenidate, methylsalicylate, methysergid(e), metoclopramide, mianserin, mifepristone, milnacipran, minaprine, mirtazapine, moclobemide, modafinil, molindone, morphine, morphine hydrochloride, nabumetone, nadolol, naproxen, naratriptan, nefazodone, neurontin, nomifensine, nortriptyline, olanzapine, olsalazine, ondansetron, opipramol, orphenadrine, oxaflozane, oxaprazin, oxazepam, oxitriptan, oxycodone, oxymorphone, pancrelipase, parecoxib, paroxetine, pemoline, pentazocine, pepsin, perphenazine, phenacetin, phendimetrazine, phenmetrazine, phenylbutazone, phenytoin, phosphatidylserine, pimozone, pirlindole, piroxicam, pizotifen, pizotyline, pramipexole, prednisolone, prednisone, pregabalin, propranolol, propizipine, propoxyphene, protriptyline, quazepam, quinupramine, reboxetine, reserpine, risperidone, ritanserin, rivastigmine, rizatriptan, rofecoxib, ropinirole, rotigotine, salsalate, sertraline, sibutramine, sildenafil, sulfasalazine, sulindac, sumatriptan, tacrine, temazepam, tetrabenazine, thiazides, thioridazine, thiothixene, tiapride, tiasipirone, tizanidine, tofenacin, tolmetin, toloxatone, topiramate, tramadol, trazodone, triazolam, trifluoperazine, trimethobenzamide, trimipramine, tropisetron, valdecoxib, valproic acid, venlafaxine, viloxazine, vitamin E, zimeldine, ziprasidone, zolmitriptan, zolpidem, zopiclone and isomers, salts, and combinations thereof.

34. (new) The method according to Claim 24, wherein the milnacipran is in the form of a therapeutically equivalent dose of dextrogyral or levrogyral enantiomers of the milnacipran or pharmaceutically acceptable salts thereof.

35. (new) The method according to Claim 24, wherein the milnacipran is in the form of a therapeutically equivalent dose of a mixture of milnacipran enantiomers or pharmaceutically acceptable salts thereof.

36. (new) The method according to Claim 24, wherein the milnacipran is in the form of a therapeutically equivalent dose of the active metabolite of milnacipran or pharmaceutically acceptable salts thereof.

37. (new) The method according to Claim 24, wherein the milnacipran is in the form of a therapeutically equivalent dose of para-hydroxy-milnacipran (F2782) or pharmaceutically acceptable salts thereof.

38. (new) The method according to Claim 24, wherein the formulation further comprises an enteric coating.

39. (new) The method according to Claim 24, wherein the formulation comprises a milnacipran dose from 25 to 500 mg.

40. (new) The method according to Claim 24, wherein the formulation comprises a milnacipran dose from 200 to 500 mg.

41. (new) The method according to Claim 40, wherein the formulation comprises 25 to 500 mg milnacipran and 100 to 600 mg modafinil.

Remarks

Claims 1-22 have been canceled. Claim 23 has been amended to recite a method of making a method of making a milnacipran formulation comprising providing a milnacipran formulation that provides delayed or extended release of milnacipran to produce a therapeutic effect over approximately 24 hours when administered to a patient in need, with diminished incidence or reduced intensity relative to one or more immediate release milnacipran side effects. Support for the amendment is found at least in the claims, as originally filed, and the abstract.

Claim 24 has been amended to recite a method for delivering a therapeutic dose of milnacipran to a patient in need thereof, with diminished incidence or reduced intensity of common milnacipran side effects, comprising administering to the patient in need thereof a milnacipran formulation that provides delayed or extended release of milnacipran to produce a therapeutic effect over approximately 24 hours when administered to a patient in need, with diminished incidence or reduced intensity relative to one or more immediate release milnacipran side effects. Support for the amendment is found at least in the claims, as originally filed and the abstract.

New method claims 25-41 have been added, defining the composition used in the method. Support for the amendment is found at least in the claims as originally filed and now cancelled. The table below shows the relationship between new claims 25-41 and canceled claims 1-22.

<u>New Claim</u>	<u>Canceled Claims</u>
25	2
26	3
27	4
28	5
29	6
30	7
31	8
32	9
33	10
34	11
35	12
36	13
37	14
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39	16
40	17
41	18

Rejection Under 35 U.S.C. § 102

Claims 1-24 were rejected under 35 U.S.C. § 102(f) as being unpatentable over copending application U.S.S.N. 10/690,947. Applicants respectfully traverse this rejection.

Analysis

Applicants are submitting a Petition to Correct Inventorship in copending application U.S.S.N. 10/691,936, adding Srinivas G. Rao as an inventor. Dr. Rao is assigning his interest in U.S.S.N. 10/691,936 to Cypress Bioscience, Inc. As a result, the

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present application and U.S.S.N. 10/691,936 will have identity of inventorship and identity of ownership. Accordingly, the Examiner's rejection under 35 U.S.C. § 102(f) is no longer applicable.

Double Patenting Rejection

Claims 1-24 were provisionally rejected under 35 U.S.C. § 101 for alleging claiming the same invention as claims 1-24 of copending Application No. 10/690,947. Applicants respectfully traverse this rejection to the extent it applied to the claims as amended.

Claims 1-22 have been canceled. These claims are being pursued in copending Application No. 10/691,936.

Claims 23 and 24 of the co-pending application which correspond to the claims in this application have been cancelled.

As noted above, Applicants are submitting a Petition to Correct Inventorship in copending application U.S.S.N. 10/691,936 in order to add Srinivas G. Rao as an inventor. Dr. Rao is assigning his interest in U.S.S.N. 10/691,936 to Cypress Bioscience, Inc. As a result, the present application and U.S.S.N. 10/691,936 will have identity of inventorship and identity of ownership. Accordingly, the Examiner's rejection under 35 U.S.C. § 101 is no longer applicable.

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Allowance of claims 23-41, as amended, is respectfully solicited.

Respectfully submitted,

/Michael J. Terapane/
Michael J. Terapane, Ph.D.
Reg. No. 57,633

Date: April 17, 2007

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Appendix E: Additional data provided by Collegium with respect to a modified release milnacipran composition

Example 1: Composition and *In Vitro* Dissolution Profile of the Preferred Formulation

The composition of the extended release ("ER") core of the final formulation is given in Table 1.

The tablet core was manufactured as follows:

1. Milnacipran hydrochloride and Ethocel® 10 cps were sifted through a #40 screen.
2. The sifted milnacipran and ethocel from step 1 were loaded into a Rapid mixer granulator and mixed for 2 minutes at slow speed.
3. The dry mix from step 2 was granulated with Aquacoat® ECD-30 and the required quantity of water and mixed at slow speed for 2 minutes. The wet mass was passed through a #12 screen.
4. The wet mass from step 3 was dried in a tray oven at 50°C till the moisture content was between 1% and 1.5% by weight.
5. The dried granules from step 4 were passed through a #30 screen.
6. Methocel® K100M and Avicel® PH 102 were sifted through a #40 screen. The dried granules from step 5 and the sifted materials were loaded into a V-cone blender and mixed for 15 minutes without the intensifier bar.
7. Magnesium stearate was sifted through a #40 screen and added to the mixture from step 6. The mixture was mixed in a V-Cone blender for 2 minutes without the intensifier bar.
8. The final blend was compressed into tablets with an average tablet weight of 400 mg using a 10.5 mm round standard concave punch at a hardness of 10-12 Kp.

Table 1. Composition of ER core (Lot #18)

No.	Ingredient	Quantity per tablet	Quantity per 2,000 tablets
1	Milnacipran HCl	120 mg	240 g
2	Ethocel® 10 cps	52 mg	104 g
3	Aquacoat® ECD 30	6 mg	40 g
4	Purified water	q.s.	3 ml
5	Methocel® K 100 M premium	35 mg	70 g
6	Avicel® PH 102	181 mg	362 g
7	Magnesium stearate	6 mg	12 g
	ER core weight	400 mg	

Milnacipran ER cores were coated with Opadry® 7006 (seal coat) up to 2% weight gain and further coated with Acryl-Eze® 93018359 White (delayed release coat) up to 8% weight gain. The final weight of the DR-ER tablet was 441 mg.

The coating parameters are shown in the table below:

Parameter	Seal coat	Over coat
Coating equipment	Ganscoater	Ganscoater
Quantity of tablets	600 g	612 g
Pan speed	11-12 rpm	11 – 12 rpm
Spray rate	2 g / min	1.5-2 g / min
Inlet temperature	70°C	70°C
Exhaust temp.	41°C	40°C
Spray off time	1 second	1 second
Spray on time	300 seconds	300 seconds
Pressure	3 kg / cm ²	3 kg / cm ²
Weight gain	2%	8%

***In vitro* dissolution data for 120 mg Milnacipran HCl DR-ER tablet**

A USP dissolution Apparatus I (rotating baskets) at 100 rpm was used for the dissolution experiments. The dissolution media was 0.1 N HCl for the first 2 hours followed by pH 6.8 phosphate buffer. Values given below are the average of three independent dissolution experiments. All dissolution tests were conducted at 37°C.

HPLC analysis was used to determine percent drug release. Milnacipran released from the tablet (% of total dose) is given as a function of the incubation time. The *in vitro* dissolution curve is given in Figure 1.

Dissolution Time, hours	2.0	2.5	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	12.0	14.0
Milnacipran Released, % of Total Dose	2	17	30	50	62	73	80	85	90	91	96	96

Example 2: Pharmacokinetic Parameters of Final Formulation in Healthy Human Volunteers

The Milnacipran DR-ER formulation (Lot #18) described above was tested in a single dose one way 6-patient pilot bioavailability study under **fasting** conditions (Figure 2). The calculated pharmacokinetic parameters were as follows: T_{max} was 7 ± 1 hours, C_{max} was 220 ± 40 ng/ml, AUC (0-24) was 2847 ng hr/ml, and AUC (0-inf) was 3084 ng hr/ml (Note that the data for five subjects were used to calculate the values above. The data for the 6th subject were not taken into account due to unexplainably low observed milnacipran plasma levels).

An IR milnacipran formulation was previously tested under fed conditions and it was found that administration of 50 mg Milnacipran HCl capsule BID resulted in an AUC (0-24) equal to 2592 ng hr/ml, and an AUC (0-inf) equal 2743 to ng hr/ml. Although no direct comparison can be made with the data obtained in the current study due to different study conditions (fasting vs. fed), the AUCs for DR-ER QD essentially matched the ones for IR BID. The known fact that food has very little influence on milnacipran absorption from IR dosage form further supports this statement.

It is important to note that **none** of the subjects at any given time during the bioavailability study (Lot #18) experienced any of common milnacipran side effects such as nausea, vomiting, sweating and tremors.

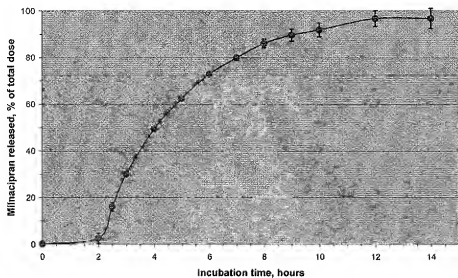


Figure 1

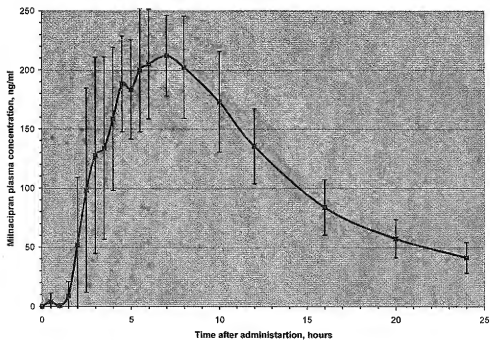


Figure 2

MARTIN B. KELLER, MD

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EDUCATION:

- 1968 Dartmouth College (BA)
Phi Beta Kappa; "High Distinction" in Psychology
1972 Cornell University (MD)

POSTGRADUATE TRAINING:

- 1972-1973 Intern in Medicine, Bellevue Medical Center, New York City
1973-1975 Resident in Psychiatry, Massachusetts General Hospital, Boston
1975-1976 Chief Resident, Acute Psychiatry Service, Massachusetts General Hospital

POSTGRADUATE HONORS AND AWARDS:

- 1992 Visiting Professorship in Psychiatry, University of Cincinnati School of Medicine
1994 Visiting Professorship in Psychiatry, Duke University School of Medicine
1995-2000 Named in the 1995, 1996, and 1997-1998 editions of *The Best Doctors In America*®, Woodward/White, Inc., and 2000 Edition of *International Directory of Distinguished Leadership*
1997 American Psychiatric Association (APA) Research Award in recognition of research on the longitudinal course and neuropsychopharmacology of anxiety and mood disorders
1998 Visiting Professorship in Psychiatry, UCLA
1998 National Alliance for Research on Schizophrenia and Depression (NARSAD) Lieber Award for research on the causes, psychopathology, treatment, and prevention of depression that leads to advancing our understanding of affective illness and new treatment approaches
1999 National Depressive and Manic Depressive Association (NDMDA) Gerald R. Klerman Lifetime Research Award for lifetime research contributions to the diagnosis and treatment of depressive and manic-depressive illness
2001 American College of Psychiatrists (ACP) Mood Disorders Lifetime Research Award for major research contributions to the understanding and treatment of mood disorders
2003 Edward A. Strecker Award from Pennsylvania Hospital and the University of Pennsylvania Health System for an outstanding contribution to the field of clinical psychiatry in the United States
2005 Voice of Mental Health Award from The Jed Foundation for contributions in the area of suicide prevention

2006	2005-2006 Best Doctors in America
2007	2007-2008 Best Doctors in America

PROFESSIONAL LICENSES AND BOARD CERTIFICATION:

- 1973- Massachusetts Board of Registration in Medicine
- 1990- Rhode Island Board of Medical Licensure and Discipline

ACADEMIC APPOINTMENTS:

- 1973-1976 Clinical Fellow in Psychiatry, Harvard Medical School
- 1976-1982 Instructor in Psychiatry, Harvard Medical School
- 1982-1985 Assistant Professor of Psychiatry, Harvard Medical School
- 1985-1990 Associate Professor of Psychiatry, Harvard Medical School
- 1989- Professor and Chairman, Department of Psychiatry and Human Behavior, Brown University

HOSPITAL APPOINTMENTS:

- 1976-1978 Clinical Assistant in Psychiatry, Massachusetts General Hospital
- 1979-1981 Assistant in Psychiatry, Massachusetts General Hospital
- 1982-1987 Assistant Psychiatrist, Massachusetts General Hospital
- 1987-1990 Associate Psychiatrist, Massachusetts General Hospital
- 1990-1997 Admitting Staff, Westwood Lodge Hospital
- 1989- Executive Psychiatrist-in-Chief at the following Providence, RI, hospitals:
 - Emma Pendleton Bradley Hospital
 - Memorial Hospital
 - Miriam Hospital
 - Rhode Island Hospital
 - Roger Williams General Hospital (until 1996)
 - Providence Veterans Administration Medical Center
 - Women & Infants Hospital
- 1989- Psychiatrist-in-Chief, Butler Hospital, Providence, RI

OTHER APPOINTMENTS:

- 1977-1979 Consultant, Harvard School of Public Health
- 1977-1989 Consultant, Boston Institute of Psychotherapy
- 1982-1989 Consultant, NIMH Research Program on the Psychosocial Treatment of Depression
- 1983- Ad hoc grant reviewer for NIMH Initial Review Group, Committees on Psychopathology, Psychopharmacology and Psychosocial Treatments
- 1985-1989 Member, Psychopathology and Clinical Biology Research Initial Review Committee, NIMH
- 1985-1987 Advisory Committee on Mood Disorders to American Psychiatric Association Task Force on DSM-III-R

- 1986-1987 Editor, Section on Unipolar Disorders for American Psychiatric Association Annual Review of Psychiatry
- 1986-1988 Advisor to the American Psychiatric Association, Committee for Outstanding Achievement Awards
- 1988-1994 Co-chair, American Psychiatric Association Task Force on Mood Disorders for DSM-IV
- 1988- Scientific Advisory Board, National Depressive and Manic Depressive Association (Depression and Bipolar Support Alliance, as of 2004)
- 1988-1994 Chair, Professional Education Committee, National Depressive and Manic Depressive Association
- 1990-1994 Scientific Advisory Board, Clinical Research Center for the Study of Psychotherapy, University of Pennsylvania School of Medicine
- 1991-2001 Member, Executive Committee, Scientific Advisory Board, National Depressive and Manic-Depressive Association
- 1992-1996 Board of Directors, American Society of Clinical Psychopharmacology
- 1992- International Advisory Board, World Psychiatric Association
- 1993-2000 Member, International Committee for the Advancement of Neuroscience (ICANP)
- 1994-2000 External Advisory Committee, Department of Psychiatry, Tufts University, New England Medical Center, Boston, MA
- 1995-1998 Chair, Scientific Advisory Board, National Depressive and Manic-Depressive Association
- 2003- Member, Scientific Council, Research Grants Program, National Alliance for Research on Schizophrenia and Depression (NARSAD)
- 2003-2004 Member, Data Safety Monitoring Board for a Japanese double-blinded study of efficacy of antidepressant Zoloft® vs placebo

HOSPITAL COMMITTEES:

Massachusetts General Hospital:

- 1981-1986 Psychotherapy Task Force, Psychiatry Service
- 1981-1990 Committee for Ambulatory Care Division Unit Directors, Psychiatry Service
- 1982-1986 Residency Training Committee, Psychiatry Service
- 1986-1990 Steering Committee, Psychiatry Service
- 1988-1990 Planning Committee, Psychiatry Service
- 1988-1990 Chair, Psychiatry Service Committee on Research

Brown University Affiliated Hospitals:

- 1989- Chair, Steering Committee, Department of Psychiatry and Human Behavior, Brown University
- 1989- Chair, Policy Management and Advisory Council, Department of Psychiatry and Human Behavior, Brown University

1989	Chair, Executive Committee on Research, Department of Psychiatry and Human Behavior, Brown University
1993-1996	Member, Research Advisory Committee, Rhode Island Hospital
1998-	Chair, Lifespan Academic Council
1999-2000	Chair, Task Force of Graduate Medical Education for Lifespan Academic Council
1999-	Chair, Basic Preclinical and Clinical Integrative Neuroscience Program, Department of Psychiatry and Human Behavior, Brown University
2000-2002	Chair, Brown Medical School Brain Science Strategic Planning Committee
2000-	Executive Committee, Brown University Brain Science Program
2002-	Director, Center for Translational Neuroscience Research Program, Departments of Neurology, Neurosurgery, Psychiatry, and Psychology

UNIVERSITY COMMITTEES:**Harvard Medical School:**

- 1980-1986 Developed and taught Massachusetts General Hospital Module on Outpatient Psychiatry for Harvard Medical School students
- 1987-1990 AIDS Task Force, Department of Psychiatry
- 1988-1990 Chair, Research Committee, Department of Psychiatry

Brown University School of Medicine:

- 1989- Council of Clinical Chairs
- 1989- Biomedical Faculty Council
- 1989- Chairs of Academic Departments
- 1989- Faculty Executive Council
- 1992-1993 Search Committee for Chair of Department of Surgery
- 1992-1993 Chair, Search Committee for Associate Dean of Medicine
- 1993-1995 Chair, Search Committee for Chair of Department of Medicine
- 1993- Dean's Committee, Brown University School of Medicine Veterans Administration Medical Center
- 1999- Steering Committee for School of Medicine, Strategic Planning
- 1999-2000 Member, Search Committee, Director of Alcohol Study Center
- 1999-2001 Member, Search Committee, Chair of Psychiatry, Providence Veterans Administration Hospital.
- 2000-2001 Member, Search Committee, Chair of the Department of Family Medicine
- 2004-2005 Chair, Task Force on Medical Student Clerkship Evaluation

Brown University:

- 2004-2006 Chair, Committee to Revise Curriculum of Department of Psychology

REGIONAL, NATIONAL, AND INTERNATIONAL COMMITTEES:

- 1982- Childhood Affective Disorders Research Consortium, Steering Committee
- 1984 NIMH Consensus Development Conference on Mood Disorders, Panelist
- 1984 NIMH Workshop on Assessing Change in Depressive Disorders, Panelist
- 1985 NIMH Workshop on Dysthymic Disorder, Panelist
- 1987 NIMH Workshop on Comorbidity, Panelist
- 1987 The Royal College of Psychiatrists Symposium on Dysthymic Disorder, Panelist
- 1988 World Psychiatric Association Advances in the Study of Unipolar Depression, Panelist
- 1989 NIMH Conference on the Treatment of Bipolar Disorder, Panelist
- 1990 NIMH Conference on Personality Disorders, Panelist
- 1990-1991 NIMH Consensus Development Conference on Panic Disorder, Planning Committee
- 1991-1993 World Psychiatric Association Presidential Task Force on Long Term Treatment of Panic Disorder, Planning Committee and Member
- 1992 Presidential Task Force on Depression Education, World Psychiatric Association, Co-Chair
- 1993 Educational Task Force on Social Phobia, World Psychiatric Association, Member
- 1993 Educational Task Force on Dysthymia, World Psychiatric Association, Member
- 1994 NIMH Workshop on Panic Disorder: A Life-Course Approach to Recovery, Relapse and Remission, Panelist
- 1994 NIMH Workshop on Treatment of Bipolar Illness: Research Needs and Directions, Panelist
- 1994 NIMH Workshop on Diagnostic Standards, Panelist
- 1995 NIMH Panic Disorder Education Program, Scientific Working Group, Panelist
- 1995 NIMH Conference on Pediatric Psychopharmacology, Rapporteur
- 1996 National Depressive and Manic Depressive Association (NDMDA) Conference on the Undertreatment of Depression, Chair
- 1997 NDMDA Search Committee for Executive Director, Chair
- 1997-2000 Task Force on Pharmacoeconomics, American College of Psychopharmacology
- 1997 External Review Committee, Department of Psychiatry, University of Arizona at Tucson
- 1998-2002 Chair, Research Subcommittee, World Federation of Societies of Biological Psychiatry
- 1999 Co-Chair, Program Committee, American College of Neuropsychopharmacology (ACNP)
- 2000 Chair, Program Committee, American College of Neuropsychopharmacology (ACNP)
- 2000- International Forum on Mood and Anxiety Disorders (FMAD), Executive Committee

- 2001-2003 Program Committee, American College of Psychiatry
- 2002- Grant proposals reviewer, American Foundation for Prevention of Suicide
- 2002- Member, Board of Directors, JED Foundation for prevention of suicide
- 2002- Chair, Scientific Advisory Board, JED Foundation
- 2002-2003 Member, Annenberg Foundation's Adolescent Mental Health Commission

MEMBERSHIP IN PROFESSIONAL SOCIETIES:

- 1976-1990 Massachusetts Psychiatric Society
- 1976- Member, American Psychiatric Association
- 1977- Northeastern Society for Group Psychotherapy
- 1984- Fellow, American Psychopathological Association
- 1984- American Association for the Advancement of Science
- 1988- Association for Research in Nervous and Mental Disease, Inc.
- 1988-1990 Fellow, Massachusetts Psychiatric Society
- 1988- Fellow, American Psychiatric Association
- 1990- Fellow, Rhode Island Psychiatric Society
- 1992- Member, American Society of Clinical Psychopharmacology
- 1993- Member, Society for Research in Child and Adolescent Psychopathology
- 1994- Member, American Psychological Society
- 1995- Member, International Committee for Prevention and Treatment of Depression (PTD)
- 1996- Member, Rhode Island Medical Society
- 1996- Member, American Society of Addiction Medicine
- 1997- Member, Association for Research on Personality Disorders, Inc.
- 1998- Member, American Medical Association
- 1998- Fellow, Collegium Internationale Neuro-Psychopharmacologicum
- 1999- Fellow, American College of Neuropsychopharmacology
- 2003- Distinguished Fellow, American Psychiatric Association

EDITORIAL BOARD APPOINTMENTS:

1987-	<i>Journal of Clinical Psychiatry</i>
1988-	<i>Journal of Affective Disorders</i>
1992	<i>Communications and Therapeutic Choices in Depression</i>
1993-1996	<i>Anxiety</i>
1994-1995	<i>The Columbia University School of Public Health: Scientific Studies of Alternative Medicine</i>
1996-	<i>Depression and Anxiety</i>
1999-2001	<i>International Advisory Board, Acta Psychiatrica Scandinavica</i>
1999-2001	<i>The World Journal of Biological Psychiatry</i>
2003-	<i>CNS Spectrums</i>

EDITORIAL APPOINTMENTS:

1995-	<i>International Clinical Psychopharmacology</i> (Joint editor)
2002-2006	<i>Neuropsychopharmacology</i> (Field editor for clinical therapeutics)

MANUSCRIPT REVIEWER:

1982-	<i>Archives of General Psychiatry</i>
1982-	<i>American Journal of Psychiatry</i>
1982-	<i>Comprehensive Psychiatry</i>
1982-	<i>Journal of Psychiatric Research</i>
1983-	<i>Journal of the American Medical Association</i>
1983-	<i>Journal of Nervous and Mental Disorders</i>
1984-	<i>Biological Psychiatry</i>
1995-2004	<i>PharmacoEconomics</i>
1995-1999	<i>ADIS International</i>
1995-	<i>Journal of Geriatric Psychiatry and Neurology</i>

MAJOR RESEARCH INTERESTS:

- Psychobiology of affective disorders in adults, adolescents, and children
- Reliability in assessment of psychopathology
- Prospective longitudinal course of affective disorders, eating disorders, anxiety disorders, obsessive compulsive disorders and personality disorders in adults, adolescents and children
- Design and implementation of multi-site randomized clinical trials of bipolar disorder, major depression, double depression, and anxiety disorders in adults and adolescents with psychotherapy and pharmacotherapy, focusing on continuation and maintenance studies
- Virtual reality treatment of Post Traumatic Stress Disorder.

ORIGINAL PUBLICATIONS IN PEER-REVIEWED JOURNALS:

1. Keller MB, Lavori PW, Andreasen NC, Grove WM, Shapiro RW, Scheftner W, McDonald-Scott P. Test-retest reliability of assessing psychiatrically ill patients in a multi-center design. *J Psychiatr Res.* 1981;16(4):213-27.
2. Keller MB, Lavori PW, McDonald-Scott P, Scheftner WA, Andreasen NC, Shapiro RW, Croughan J. Reliability of lifetime diagnoses and symptoms in patients with a current psychiatric disorder. *J Psychiatr Res.* 1981;16(4):229-40.
3. Andreasen NC, Grove WM, Shapiro RW, Keller MB, Hirschfeld RM, McDonald-Scott P. Reliability of lifetime diagnosis. A multicenter collaborative perspective. *Arch Gen Psychiatry.* 1981 Apr;38(4):400-5.
4. Grove WM, Andreasen NC, McDonald-Scott P, Keller MB, Shapiro RW. Reliability studies of psychiatric diagnosis. Theory and practice. *Arch Gen Psychiatry.* 1981 Apr;38(4):408-13.
5. Shapiro RW, Keller MB. Initial 6-month follow-up of patients with major depressive disorder. A preliminary report from the NIMH collaborative study of the psychobiology of depression. *J Affect Disord.* 1981 Sep;3(3):205-20.
6. Keller MB, Manschreck TC. The bedside mental status examination – reliability and validity. *Compr Psychiatry.* 1981 Sep-Oct;22(5):500-11.
7. Keller MB, Shapiro RW. Major depressive disorder. Initial results from a one-year prospective naturalistic follow-up study. *J Nerv Ment Dis.* 1981 Dec;169(12):761-8.
8. Keller MB, Shapiro RW. "Double depression": superimposition of acute depressive episodes on chronic depressive disorders. *Am J Psychiatry.* 1982 Apr;139(4):438-42.
9. Andreasen NC, McDonald-Scott P, Grove WM, Keller MB, Shapiro RW, Hirschfeld RM. Assessment of reliability in multicenter collaborative research with a videotape approach. *Am J Psychiatry.* 1982 Jul;139(7):876-82.
10. Keller MB, Shapiro RW, Lavori PW, Wolfe N. Recovery in major depressive disorder: analysis with the life table and regression models. *Arch Gen Psychiatry.* 1982 Aug;39(8):905-10.
11. Keller MB, Shapiro RW, Lavori PW, Wolfe N. Relapse in major depressive disorder: analysis with the life table. *Arch Gen Psychiatry.* 1982 Aug;39(8):911-5.
12. Keller MB, Klerman GL, Lavori PW, Fawcett JA, Coryell W, Endicott J. Treatment received by depressed patients. *JAMA.* 1982 Oct 15;248(15):1848-55.
13. Keller MB, Lavori PW, McDonald-Scott P, Endicott J, Andreasen N, Van Eerdewegh MM. The reliability of retrospective treatment reports. *Psychiatry Res.* 1983 May;9(1):81-8.

14. Keller MB, Lavori PW, Endicott J, Coryell W, Klerman GL. "Double depression": two-year follow-up. *Am J Psychiatry*. 1983 Jun;140(6):689-94.
15. Hirschfeld RM, Klerman GL, Clayton PJ, Keller MB, McDonald-Scott P, Larkin BH. Assessing personality: effects of the depressive state on trait measurement. *Am J Psychiatry*. 1983 Jun;140(6):695-9.
16. Beardslee WR, Bemporad J, Keller MB, Klerman GL. Children of parents with major affective disorder: a review. *Am J Psychiatry*. 1983 Jul;140(7):825-32.
17. Hirschfeld RM, Klerman GL, Clayton PJ, Keller MB. Personality and depression. Empirical findings. *Arch Gen Psychiatry*. 1983 Sep;40(9):993-8.
18. Keller MB. Double depression: Implications for clinical practice. (La double depression: implications cliniques). *Medecine et Hygiene*. 1983 Oct 19;41(1535):3558-62.
19. Keller MB, Lavori PW, Lewis CE, Klerman GL. Predictors of relapse in major depressive disorder. *JAMA*. 1983 Dec 23-30;250(24):3299-304.
20. Lavori PW, Keller MB, Klerman GL. Relapse in affective disorders: a reanalysis of the literature using life table methods. *J Psychiatr Res*. 1984;18(1):13-25.
21. Lavori PW, Keller MB, Roth SL. Affective disorders and ABO blood groups: new data and a reanalysis of the literature using the logistic transformation of proportions. *J Psychiatr Res*. 1984;18(2):119-29.
22. Keller MB, Lavori PW. Double depression, major depression, and dysthymia: distinct entities or different phases of a single disorder? *Psychopharmacol Bull*. 1984 Summer;20(3):399-402.
23. Coryell W, Endicott J, Reich T, Andreasen N, Keller M. A family study of bipolar II disorder. *Br J Psychiatry*. 1984 Jul;145:49-54.
24. Coryell W, Lavori P, Endicott J, Keller M, VanEerdewegh M. Outcome in schizoaffective, psychotic, and nonpsychotic depression. Course during a six- to 24-month follow-up. *Arch Gen Psychiatry*. 1984 Aug;41(8):787-91.
25. Keller MB, Klerman GL, Lavori PW, Coryell W, Endicott J, Taylor J. Long-term outcome of episodes of major depression. Clinical and public health significance. *JAMA*. 1984 Aug 10;252(6):788-92.
26. Rice J, Reich T, Andreasen NC, Lavori PW, Endicott J, Clayton PJ, Keller MB, Hirschfeld RM, Klerman GL. Sex-related differences in depression. Familial evidence. *J Affect Disord*. 1984 Dec;7(3-4):199-210.
27. Hirschfeld RM, Klerman GL, Clayton PJ, Keller MB, Andreasen NC. Personality and gender-related differences in depression. *J Affect Disord*. 1984 Dec;7(3-4):211-21.

28. Beardslee WR, Keller MB, Klerman GL. Children of parents with affective disorder. *Int J Fam Psychiatry*. 1985;6(3):283-99.
29. Endicott J, Nee J, Andreasen N, Clayton P, Keller M, Coryell W. Bipolar II. Combine or keep separate? *J Affect Disord*. 1985 Jan-Feb;8(1):17-28.
30. Kashani JH, Keller MB, Solomon N, Reid JC, Mazzola D. Double depression in adolescent substance users. *J Affect Disord*. 1985 Mar-Apr;8(2):153-7.
31. NIMH/NIH. NIMH/NIH Consensus Development Conference statement. Mood disorders: pharmacologic prevention of recurrences. Consensus Development Panel. *Am J Psychiatry*. 1985 Apr;142(4):469-76.
32. Beardslee WR, Klerman GL, Keller MB, Lavori PW, Podorefsky DL. But are they cases? Validity of DSM-III major depression in children identified in a family study. *Am J Psychiatry*. 1985 Jun;142(6):687-91.
33. Coryell W, Endicott J, Keller M, Andreasen NC. Phenomenology and family history in DSM-III psychotic depression. *J Affect Disord*. 1985 Jul;9(1):13-8.
34. Coryell W, Endicott J, Andreasen N, Keller M. Bipolar I, bipolar II, and nonbipolar major depression among the relatives of affectively ill probands. *Am J Psychiatry*. 1985 Jul;142(7):817-21.
35. Klerman GL, Lavori PW, Rice J, Reich T, Endicott J, Andreasen NC, Keller MB, Hirschfeld RM. Birth-cohort trends in rates of major depressive disorder among relatives of patients with affective disorder. *Arch Gen Psychiatry*. 1985 Jul;42(7):689-93.
36. Hirschfeld RM, Klerman GL, Andreasen NC, Clayton PJ, Keller MB. Situational major depressive disorder. *Arch Gen Psychiatry*. 1985 Nov;42(11):1109-14.
37. Keller MB, Lavori PW, Rice J, Coryell W, Hirschfeld RM. The persistent risk of chronicity in recurrent episodes of nonbipolar major depressive disorder: a prospective follow-up. *Am J Psychiatry*. 1986 Jan;143(1):24-8.
38. Endicott J, Nee J, Coryell W, Keller M, Andreasen N, Croughan J. Schizoaffective, psychotic, and nonpsychotic depression: differential familial association. *Compr Psychiatry*. 1986 Jan-Feb;27(1):1-13.
39. Andreasen NC, Scheftner W, Reich T, Hirschfeld RM, Endicott J, Keller MB. The validation of the concept of endogenous depression. A family study approach. *Arch Gen Psychiatry*. 1986 Mar;43(3):246-51.
40. Keller MB, Lavori PW, Klerman GL, Andreasen NC, Endicott J, Coryell W, Fawcett J, Rice JP, Hirschfeld RM. Low levels and lack of predictors of somatotherapy and psychotherapy received by depressed patients. *Arch Gen Psychiatry*. 1986 May;43(5):458-66.

41. Hirschfeld RM, Klerman GL, Andreasen NC, Clayton PJ, Keller MB. Psycho-social predictors of chronicity in depressed patients. *Br J Psychiatry*. 1986 Jun;148:648-54.
42. Keller MB, Lavori PW, Coryell W, Andreasen NC, Endicott J, Clayton PJ, Klerman GL, Hirschfeld RM. Differential outcome of pure manic, mixed/cycling, and pure depressive episodes in patients with bipolar illness. *JAMA*. 1986 Jun 13;255(22):3138-42.
43. Hirschfeld RM, Klerman GL, Keller MB, Andreasen NC, Clayton PJ. Personality of recovered patients with bipolar affective disorder. *J Affect Disord*. 1986 Jul-Aug;11(1):81-9.
44. Keller MB, Beardslee WR, Dorer DJ, Lavori PW, Samuelson H, Klerman GR. Impact of severity and chronicity of parental affective illness on adaptive functioning and psychopathology in children. *Arch Gen Psychiatry*. 1986 Oct;43(10):930-7.
45. Rice JP, McDonald-Scott P, Endicott J, Coryell W, Grove WM, Keller MB, Altis D. The stability of diagnosis with an application to bipolar II disorder. *Psychiatry Res*. 1986 Dec;19(4):285-96.
46. Kaplan BJ, Beardslee WR, Keller MB. Intellectual competence in children of depressed parents. *J Clin Child Psychol*. 1987;16(2):158-63.
47. Brotman AW, Pascarzi GA, Keller MB, Dorer DJ, Eisenthal S. Patients treated with psychodynamic psychotherapy by residents at Massachusetts General Hospital. *J Psychiatr Educ*. 1987;11(4):233-42.
48. Herzog DB, Keller MB, Lavori PW, Ott IL, Bridges AC. Social impairment in bulimia. *Int J Eating Disord*. 1987;6(6):741-7.
49. Biederman J, Keller M, Lavori P, Harmatz J, Knee D, Dubey D, Yunis E. HLA haplotype A26-B38 in affective disorders: lack of association. *Biol Psychiatry*. 1987 Feb;22(2):221-4.
50. Coryell W, Grove W, vanEerdewegh M, Keller M, Endicott J. Outcome in RDC schizo-affective depression: the importance of diagnostic subtyping. *J Affect Disord*. 1987 Jan-Feb;12(1):47-56.
51. Lavori PW, Klerman GL, Keller MB, Reich T, Rice J, Endicott J. Age-period-cohort analysis of secular trends in onset of major depression: findings in siblings of patients with major affective disorder. *J Psychiatr Res*. 1987;21(1):23-35.
52. Coryell W, Endicott J, Keller M. The importance of psychotic features to major depression: course and outcome during a 2-year follow-up. *Acta Psychiatr Scand*. 1987 Jan;75(1):78-85.
53. Coryell W, Andreasen NC, Endicott J, Keller M. The significance of past mania or hypomania in the course and outcome of major depression. *Am J Psychiatry*. 1987 Mar;144(3):309-15.

54. Young MA, Keller MB, Lavori PW, Scheftner WA, Fawcett JA, Endicott J, Hirschfeld RM. Lack of stability of the RDC endogenous subtype in consecutive episodes of major depression. *J Affect Disord.* 1987 Mar-Apr;12(2):139-43.
55. Grove WM, Andreasen NC, Young M, Endicott J, Keller MB, Hirschfeld RM, Reich T. Isolation and characterization of a nuclear depressive syndrome. *Psychol Med.* 1987 May;17(2):471-84.
56. Keller MB, Lavori PW, Friedman B, Nielsen E, Endicott J, McDonald-Scott P, Andreasen NC. The Longitudinal Interval Follow-up Evaluation. A comprehensive method for assessing outcome in prospective longitudinal studies. *Arch Gen Psychiatry.* 1987 Jun;44(6):540-8.
57. Andreasen NC, Grove WM, Endicott J, Coryell WH, Scheftner WA, Hirschfeld RMA, Keller MB. The phenomenology of depression. *Psychiatry Psychobiol.* 1988;3:1-10.
58. Keller MB. Undertreatment of major depression. *Psychopharmacol Bull.* 1988;24(1):75-80.
59. Herzog DB, Keller MB, Lavori PW, Ott IL. Short-term prospective study of recovery in bulimia nervosa. *Psychiatry Res.* 1988 Jan;23(1):45-55.
60. Lavori PW, Keller MB, Endicott J. Improving the validity of FH-RDC diagnosis of major affective disorder in uninterviewed relatives in family studies: a model based approach. *J Psychiatr Res.* 1988;22(4):249-59.
61. Herzog DB, Keller MB, Lavori PW. Outcome in anorexia nervosa and bulimia nervosa. A review of the literature. *J Nerv Ment Dis.* 1988 Mar;176(3):131-43.
62. Coryell W, Endicott J, Andreasen NC, Keller MB, Clayton PJ, Hirschfeld RM, Scheftner WA, Winokur G. Depression and panic attacks: the significance of overlap as reflected in follow-up and family study data. *Am J Psychiatry.* 1988 Mar;145(3):293-300.
63. Lavori PW, Keller MB. Improving the aggregate performance of psychiatric diagnostic methods when not all subjects receive the standard test. *Stat Med.* 1988 Jul;7(7):727-37.
64. Keller MB, Beardslee W, Lavori PW, Wunder J, Drs DL, Samuelson H. Course of major depression in non-referred adolescents: a retrospective study. *J Affect Disord.* 1988 Nov-Dec;15(3):235-43.
65. Lavori PW, Keller MB, Beardslee WR, Dorer DJ. Affective disorder in childhood: separating the familial component of risk from individual characteristics of children. *J Affect Disord.* 1988 Nov-Dec;15(3):303-11.
66. Beardslee WR, Keller MB, Lavori PW, Klerman GK, Dorer DJ, Samuelson H. Psychiatric disorder in adolescent offspring of parents with affective disorder in a non-referred sample. *J Affect Disord.* 1988 Nov-Dec;15(3):313-22.

67. Rice J, Andreasen NC, Coryell W, Endicott J, Fawcett J, Hirschfeld RM, Keller MB, Klerman GL, Lavori P, Reich T, Scheftner WA. NIMH Collaborative Program on the Psychobiology of Depression: clinical. *Genet Epidemiol.* 1989;6(1):179-82.
68. Coryell W, Keller M, Endicott J, Andreasen N, Clayton P, Hirschfeld R. Bipolar II illness: course and outcome over a five-year period. *Psychol Med.* 1989 Feb;19(1):129-41.
69. Hirschfeld RM, Kosier T, Keller MB, Lavori PW, Endicott J. The influence of alcoholism on the course of depression. *J Affect Disord.* 1989 Mar-Jun;16(2-3):151-8.
70. Hasin DS, Endicott J, Keller MB. RDC alcoholism in patients with major affective syndromes: two-year course. *Am J Psychiatry.* 1989 Mar;146(3):318-23.
71. Hirschfeld RM, Klerman GL, Lavori P, Keller MB, Griffith P, Coryell W. Premorbid personality assessments of first onset of major depression. *Arch Gen Psychiatry.* 1989 Apr;46(4):345-50.
72. Keller MB. Current concepts in affective disorders. *J Clin Psychiatry.* 1989 May;50(5):157-62.
73. Coryell W, Endicott J, Keller M, Andreasen N, Grove W, Hirschfeld RM, Scheftner W. Bipolar affective disorder and high achievement: a familial association. *Am J Psychiatry.* 1989 Aug;146(8):983-8.
74. Gelenberg AJ, Kane JM, Keller MB, Lavori P, Rosenbaum JF, Cole K, Lavelle J. Comparison of standard and low serum levels of lithium for maintenance treatment of bipolar disorder. *N Engl J Med.* 1989 Nov 30;321(22):1489-93.
75. Schwartz CE, Dorer DJ, Beardslee WR, Lavori PW, Keller MB. Maternal expressed emotion and parental affective disorder: risk for childhood depressive disorder, substance abuse, or conduct disorder. *J Psychiatr Res.* 1990;24(3):231-50.
76. Winokur G, Coryell W, Keller M, Scheftner WA. Relationship of electroconvulsive therapy to course in affective illness: a collaborative study. *Eur Arch Psychiatry Clin Neurosci.* 1990;240(1):54-9.
77. Young MA, Fogg LF, Scheftner WA, Keller MB, Fawcett JA. Sex differences in the lifetime prevalence of depression: does varying the diagnostic criteria reduce the female/male ratio? *J Affect Disord.* 1990 Mar;18(3):187-92.
78. Coryell W, Keller M, Lavori P, Endicott J. Affective syndromes, psychotic features, and prognosis. I. Depression. *Arch Gen Psychiatry.* 1990 Jul;47(7):651-7.
79. Coryell W, Keller M, Lavori P, Endicott J. Affective syndromes, psychotic features, and prognosis. II. Mania. *Arch Gen Psychiatry.* 1990 Jul;47(7):658-62.

80. Coryell W, Endicott J, Keller M. Outcome of patients with chronic affective disorder: a five-year follow-up. *Am J Psychiatry*. 1990 Dec;147(12):1627-33.
81. Keller MB, Lavori PW, Beardslee WR, Wunder J, Ryan N. Depression in children and adolescents: new data on 'undertreatment' and a literature review on the efficacy of available treatments. *J Affect Disord*. 1991 Mar;21(3):163-71.
82. Keller MB, Baker LA. Bipolar disorder: epidemiology, course, diagnosis, and treatment. *Bull Menninger Clin*. 1991 Spring;55(2):172-81.
83. Herzog DB, Keller MB, Lavori PW, Bradburn IS. Bulimia nervosa in adolescence. *J Dev Behav Pediatr*. 1991 Jun;12(3):191-5.
84. Hasin DS, Endicott J, Keller MB. Alcohol problems in psychiatric patients: 5-year course. *Compr Psychiatry*. 1991 Jul-Aug;32(4):303-16.
85. Keller MB, Russell CW. Refining the concept of dysthymia. *Hosp Community Psychiatry*. 1991 Sep;42(9):892-3, 896.
86. Frank E, Prien RF, Jarrett RB, Keller MB, Kupfer DJ, Lavori PW, Rush AJ, Weissman MM. Conceptualization and rationale for consensus definitions of terms in major depressive disorder. Remission, recovery, relapse, and recurrence. *Arch Gen Psychiatry*. 1991 Sep;48(9):851-5.
87. Coryell W, Endicott J, Keller MB. Predictors of relapse into major depressive disorder in a nonclinical population. *Am J Psychiatry*. 1991 Oct;148(10):1353-8.
88. Clayton PJ, Grove WM, Coryell W, Keller M, Hirschfeld R, Fawcett J. Follow-up and family study of anxious depression. *Am J Psychiatry*. 1991 Nov;148(11):1512-7.
89. Herzog D, Keller MB, Strober M, Yeh C, Pai SY. The current status of treatment for anorexia nervosa and bulimia nervosa. *Int J Eating Disorders*. 1992;12(2):215-220.
90. Keller MB, Herzog DB, Lavori PW, Bradburn IS, Mahoney EM. The naturalistic history of bulimia nervosa: extraordinarily high rates of chronicity, relapse, recurrence, and psychosocial morbidity. *Int J Eating Disord*. 1992;12(1):1-9.
91. Biederman J, Faraone SV, Keenan K, Benjamin J, Krifcher B, Moore C, Sprich-Buckminster S, Uagaglia K, Jellinek MS, Steingard R, Spencer T, Norman D, Kolodny R, Kraus, Perrin J, Keller MB, Tsuang MT. Further evidence for family-genetic risk factors in attention deficit hyperactivity disorder. Patterns of comorbidity in probands and relatives psychiatrically and pediatrically referred samples. *Arch Gen Psychiatry*. 1992 Sep;49(9):728-38.
92. Yonkers KA, Ellison JM, Shera DM, Pratt LA, Langford LM, Cole JO, White K, Lavori PW, Keller MB. Pharmacotherapy observed in a large prospective longitudinal study on anxiety disorders. *Psychopharmacol Bull*. 1992;28(2):131-7.

93. Keller MB, Lavori PW, Beardslee W, Wunder J, Drs DL, Hasin D. Clinical course and outcome of substance abuse disorders in adolescents. *J Subst Abuse Treat.* 1992;9(1):9-14.
94. Coryell W, Winokur G, Keller M, Scheftner W, Endicott J. Alcoholism and primary major depression: a family study approach to co-existing disorders. *J Affect Disord.* 1992 Feb;24(2):93-9.
95. Coryell W, Endicott J, Keller M. Major depression in a nonclinical sample. Demographic and clinical risk factors for first onset. *Arch Gen Psychiatry.* 1992 Feb;49(2):117-25.
96. Coryell W, Endicott J, Keller M. Rapidly cycling affective disorder. Demographics, diagnosis, family history, and course. *Arch Gen Psychiatry.* 1992 Feb;49(2):126-31.
97. Keller MB, Lavori PW, Beardslee WR, Wunder J, Schwartz CE, Roth J, Biederman J. The disruptive behavioral disorder in children and adolescents: comorbidity and clinical course. *J Am Acad Child Adolesc Psychiatry.* 1992 Mar;31(2):204-9.
98. Herzog DB, Keller MB, Lavori PW, Kenny GM, Sacks NR. The prevalence of personality disorders in 210 women with eating disorders. *J Clin Psychiatry.* 1992 May;53(5):147-52.
99. Keller MB, Lavori PW, Kane JM, Gelenberg AJ, Rosenbaum JF, Walzer EA, Baker LA. Subsyndromal symptoms in bipolar disorder. A comparison of standard and low serum levels of lithium. *Arch Gen Psychiatry.* 1992 May;49(5):371-6.
100. Keller MB, Lavori PW, Wunder J, Beardslee WR, Schwartz CE, Roth J. Chronic course of anxiety disorders in children and adolescents. *J Am Acad Child Adolesc Psychiatry.* 1992 Jul;31(4):595-9.
101. Herzog DB, Keller MB, Sacks NR, Yeh CJ, Lavori PW. Psychiatric comorbidity in treatment-seeking anorexics and bulimics. *J Am Acad Child Adolesc Psychiatry.* 1992 Sep;31(5):810-8.
102. Keller MB, Lavori PW, Mueller TI, Endicott J, Coryell W, Hirschfeld RM, Shea T. Time to recovery, chronicity, and levels of psychopathology in major depression. A 5-year prospective follow-up of 431 subjects. *Arch Gen Psychiatry.* 1992 Oct;49(10):809-16.
103. Keller MB, Lavori PW, Coryell W, Endicott J, Mueller TI. Bipolar I: a five-year prospective follow-up. *J Nerv Ment Dis.* 1993 Apr;181(4):238-45.
104. Massion AO, Warshaw MG, Keller MB. Quality of life and psychiatric morbidity in panic disorder and generalized anxiety disorder. *Am J Psychiatry.* 1993 Apr;150(4):600-7.
105. Keller MB, Lavori PW, Goldenberg IM, Baker LA, Pollack MH, Sachs GS, Rosenbaum JF, Delitto JA, Leon A, Shear K, Klerman GL. Influence of depression on the treatment of panic disorder with imipramine, alprazolam and placebo. *J Affect Disord.* 1993 May;28(1):27-38.

106. Coryell W, Scheftner W, Keller M, Endicott J, Maser J, Klerman GL. The enduring psychosocial consequences of mania and depression. *Am J Psychiatry*. 1993 May;150(5):720-7.
107. Goisman RM, Rogers MP, Steketee CS, Warshaw MG, Cuneo P, Keller MB. Utilization of behavioral methods in a multicenter anxiety disorders study. *J Clin Psychiatry*. 1993 Jun;54(6):213-8.
108. Winokur G, Coryell W, Keller M, Endicott J, Akiskal H. A prospective follow-up of patients with bipolar and primary unipolar affective disorder. *Arch Gen Psychiatry*. 1993 Jun;50(6):457-65.
109. Keller MB, Hanks DL. Course and outcome in panic disorder. *Prog Neuropsychopharmacol Biol Psychiatry*. 1993 Jul;17(4):551-70.
110. Beardslee WR, Keller MB, Lavori PW, Staley J, Sacks N. The impact of parental affective disorder on depression in offspring: a longitudinal follow-up in a nonreferred sample. *J Am Acad Child Adolesc Psychiatry*. 1993 Jul;32(4):723-30.
111. Herzog DB, Sacks NR, Keller MB, Lavori PW, von Ranson KB, Gray HM. Patterns and predictors of recovery in anorexia nervosa and bulimia nervosa. *J Am Acad Child Adolesc Psychiatry*. 1993 Jul;32(4):835-42.
112. Warshaw MG, Fierman E, Pratt L, Hunt M, Yonkers KA, Massion AO, Keller MB. Quality of life and dissociation in anxiety disorder patients with histories of trauma or PTSD. *Am J Psychiatry*. 1993 Oct;150(10):1512-6.
113. Lavori PW, Keller MB, Scheftner W, Fawcett J, Mueller T, Coryell W. Recurrence after recovery in unipolar MDD: An observational follow-up study of clinical predictors and somatic treatment as a mediating factor. *Int J Methods Psychiatr Res*. 1994;4:211-29.
114. Rogers MP, White K, Warshaw MG, Yonkers KA, Rodriguez-Villa F, Chang G, Keller MB. Prevalence of medical illness in patients with anxiety disorders. *Int J Psychiatry Med*. 1994;24(1):83-96.
115. Keller MB. Depression in the United States: Underrecognized and undertreated? *Postgraduate Med: A Special Report*. 1994 Feb;7-11.
116. Goisman RM, Warshaw MG, Peterson LG, Rogers MP, Cuneo P, Hunt MF, Tomlin-Albanese JM, Kazim A, Gollan JK, Epstein-Kaye T, Reich JH, Keller MB. Panic, agoraphobia, and panic disorder with agoraphobia. Data from a multicenter anxiety disorders study. *J Nerv Ment Dis*. 1994 Feb;182(2):72-9.
117. Winokur G, Coryell W, Akiskal HS, Endicott J, Keller M, Mueller T. Manic-depressive (bipolar) disorder: the course in light of a prospective ten-year follow-up of 131 patients. *Acta Psychiatr Scand*. 1994 Feb;89(2):102-10.

118. Pollack MH, Otto MW, Sachs GS, Leon A, Shear MK, Deltito JA, Keller MB, Rosenbaum JF. Anxiety psychopathology predictive of outcome in patients with panic disorder and depression treated with imipramine, alprazolam and placebo. *J Affect Disord.* 1994 Apr;30(4):273-81.
119. Keller MB, Yonkers KA, Warshaw MG, Pratt LA, Gollan JK, Massion AO, White K, Swartz AR, Reich J, Lavori PW. Remission and relapse in subjects with panic disorder and panic with agoraphobia: a prospective short-interval naturalistic follow-up. *J Nerv Ment Dis.* 1994 May;182(5):290-6.
120. Coryell W, Akiskal HS, Leon AC, Winokur G, Maser JD, Mueller TI, Keller MB. The time course of nonchronic major depressive disorder. Uniformity across episodes and samples. National Institute of Mental Health Collaborative Program on the Psychobiology of Depression – Clinical Studies. *Arch Gen Psychiatry.* 1994 May;51(5):405-10.
121. Mueller TI, Lavori PW, Keller MB, Swartz A, Warshaw M, Hasin D, Coryell W, Endicott J, Rice J, Akiskal H. Prognostic effect of the variable course of alcoholism on the 10-year course of depression. *Am J Psychiatry.* 1994 May;151(5):701-6.
122. Reich J, Goldenberg I, Goisman R, Vasile R, Keller M. A prospective, follow-along study of the course of social phobia: II. Testing for basic predictors of course. *J Nerv Ment Dis.* 1994 May;182(5):297-301.
123. Reich J, Perry JC, Shera D, Dyck I, Vasile R, Goisman RM, Rodriguez-Villa F, Massion AO, Keller M. Comparison of personality disorders in different anxiety disorder diagnoses: panic, agoraphobia, generalized anxiety, and social phobia. *Ann Clin Psychiatry.* 1994 Jun;6(2):125-34.
124. Coryell W, Winokur G, Maser JD, Akiskal HS, Keller MB, Endicott J. Recurrently situational (reactive) depression: a study of course, phenomenology and familial psychopathology. *J Affect Disord.* 1994 Jul;31(3):203-10.
125. Bauer MS, Keller MB. The therapeutic challenge of rapid cycling bipolar disorder. *Psychiatr Ann.* 1994 Aug;24(8):390-1, 395.
126. Warshaw MG, Keller MB, Stout RL. Reliability and validity of the longitudinal interval follow-up evaluation for assessing outcome of anxiety disorders. *J Psychiatr Res.* 1994 Nov-Dec;28(6):531-45.
127. Reich J, Goldenberg I, Vasile R, Goisman R, Keller M. A prospective follow-along study of the course of social phobia. *Psychiatry Res.* 1994 Dec;54(3):249-58.
128. Keller MB, Harrison W, Fawcett JA, Gelenberg A, Hirschfeld RM, Klein D, Kocsis JH, McCullough JP, Rush AJ, Schatzberg A, Thase ME. Treatment of chronic depression with sertraline or imipramine: preliminary blinded response rates and high rates of undertreatment in the community. *Psychopharmacol Bull.* 1995;31(2):205-12.

129. Shear MK, Leon AC, Pollack MH, Rosenbaum JF, Keller MB. Pattern of placebo response in panic disorder. *Psychopharmacol Bull.* 1995;31(2):273-8.
130. Solomon DA, Keitner GI, Miller IW, Shea MT, Keller MB. Course of illness and maintenance treatments for patients with bipolar disorder. *J Clin Psychiatry.* 1995 Jan;56(1):5-13.
131. Akiskal HS, Maser JD, Zeller PJ, Endicott J, Coryell W, Keller M, Warshaw M, Clayton P, Goodwin F. Switching from 'unipolar' to bipolar II. An 11-year prospective study of clinical and temperamental predictors in 559 patients. *Arch Gen Psychiatry.* 1995 Feb;52(2):114-23.
132. Broadhead WE, Leon AC, Weissman MM, Barrett JE, Blacklow RS, Gilbert TT, Keller MB, Olfson M, Higgins ES. Development and validation of the SDDS-PC screen for multiple mental disorders in primary care. *Arch Fam Med.* 1995 Mar;4(3):211-9.
133. Weissman MM, Olfson M, Leon AC, Broadhead WE, Gilbert TT, Higgins ES, Barrett JE, Blacklow RS, Keller MB, Hoven C. Brief diagnostic interviews (SDDS-PC) for multiple mental disorders in primary care. A pilot study. *Arch Fam Med.* 1995 Mar;4(3):220-7.
134. Coryell W, Endicott J, Maser JD, Mueller T, Lavori P, Keller M. The likelihood of recurrence in bipolar affective disorder: the importance of episode recency. *J Affect Disord.* 1995 Mar 14;33(3):201-6.
135. Winokur G, Coryell W, Keller M, Endicott J, Leon A. A family study of manic-depressive (bipolar I) disease. Is it a distinct illness separable from primary unipolar depression? *Arch Gen Psychiatry.* 1995 May;52(5):367-73.
136. Winokur G, Coryell W, Akiskal HS, Maser JD, Keller MB, Endicott J, Mueller T. Alcoholism in manic-depressive (bipolar) illness: familial illness, course of illness, and the primary-secondary distinction. *Am J Psychiatry.* 1995 Mar;152(3):365-72. Erratum in: *Am J Psychiatry* 1995 Jul;152(7):1106.
137. Coryell W, Endicott J, Maser JD, Keller MB, Leon AC, Akiskal HS. Long-term stability of polarity distinctions in the affective disorders. *Am J Psychiatry.* 1995 Mar;152(3):385-90.
138. Keller MB, Klein DN, Hirschfeld RM, Kocsis JH, McCullough JP, Miller I, First MB, Holzer CP 3rd, Keitner GI, Marin DB, Shea T. Results of the DSM-IV mood disorders field trial. *Am J Psychiatry.* 1995 Jun;152(6):843-9.
139. Warshaw MG, Massion AO, Peterson LG, Pratt LA, Keller MB. Suicidal behavior in patients with panic disorder: retrospective and prospective data. *J Affect Disord.* 1995 Jun 8;34(3):235-47.
140. Winokur G, Coryell W, Endicott J, Akiskal H, Keller M, Maser JD, Warshaw M. Familial depression versus depression identified in a control group: are they the same? *Psychol Med.* 1995 Jul;25(4):797-806.

141. Goisman RM, Goldenberg I, Vasile RG, Keller MB. Comorbidity of anxiety disorders in a multicenter anxiety study. *Compr Psychiatry*. 1995 Jul-Aug;36(4):303-11.
142. Goldenberg IM, Mueller T, Fierman EJ, Gordon A, Pratt L, Cox K, Park T, Lavori P, Goisman RM, Keller MB. Specificity of substance use in anxiety-disordered subjects. *Compr Psychiatry*. 1995 Sep-Oct;36(5):319-28.
143. Leon AC, Olsson M, Broadhead WE, Barrett JE, Blacklow RS, Keller MB, Higgins ES, Weissman MM. Prevalence of mental disorders in primary care. Implications for screening. *Arch Fam Med*. 1995 Oct;4(10):857-61.
144. Goisman RM, Warshaw MG, Steketee GS, Fierman EJ, Rogers MP, Goldenberg I, Weinshenker NJ, Vasile RG, Keller MB. DSM-IV and the disappearance of agoraphobia without a history of panic disorder: new data on a controversial diagnosis. *Am J Psychiatry*. 1995 Oct;152(10):1438-43.
145. Klerman GL, Shear MK, Leon A, Portera L, Keller MB, Lavori P, Deltito J, Rosenbaum J, Pollack M, Sachs G. Treating the depression associated with panic disorder (Il trattamento della depressione in comorbidità con il disturbo da attacchi di panico). *Giornale Italiano Di Psicopatologia*. 1996;2:1-8.
146. Rogers MP, Weinshenker NJ, Warshaw MG, Goisman RM, Rodriguez-Villa FJ, Fierman EJ, Keller MB. Prevalence of somatoform disorders in a large sample of patients with anxiety disorders. *Psychosomatics*. 1996 Jan-Feb;37(1):17-22.
147. Finkelstein SN, Berndt ER, Greenberg PE, Parsley RA, Russell JM, Keller MB. Improvement in subjective work performance after treatment of chronic depression: some preliminary results. Chronic Depression Study Group. *Psychopharmacol Bull*. 1996;32(1):33-40.
148. Weinshenker NJ, Goldenberg I, Rogers MP, Goisman RM, Warshaw MG, Fierman EJ, Vasile RG, Keller MB. Profile of a large sample of patients with social phobia: comparison between generalized and specific social phobia. *Depress Anxiety*. 1996-1997;4(5):209-16.
149. Mueller TI, Goldenberg IM, Gordon AL, Keller MB, Warshaw MG. Benzodiazepine use in anxiety disordered patients with and without a history of alcoholism. *J Clin Psychiatry*. 1996 Feb;57(2):83-9.
150. Keller MB, Hanks DL, Klein DN. Summary of the DSM-IV mood disorders field trial and issue overview. *Psychiatr Clin North Am*. 1996 Mar;19(1):1-28. (*Editor of this issue: Martin B. Keller, MD*)
151. Klein DN, Kocsis JH, McCullough JP, Holzer CE 3rd, Hirschfeld RM, Keller MB. Symptomatology in dysthymic and major depressive disorder. *Psychiatr Clin North Am*. 1996 Mar;19(1):41-53. (*Editor of this issue: Martin B. Keller, MD*)

152. Beardslee WR, Keller MB, Seifer R, Lavori PW, Staley J, Podorefsky D, Shera D. Prediction of adolescent affective disorder: effects of prior parental affective disorders and child psychopathology. *J Am Acad Child Adolesc Psychiatry*. 1996 Mar;35(3):279-88.
153. Yonkers KA, Warshaw MG, Massion AO, Keller MB. Phenomenology and course of generalised anxiety disorder. *Br J Psychiatry*. 1996 Mar;168(3):308-13.
154. Coryell W, Leon A, Winokur G, Endicott J, Keller M, Akiskal H, Solomon D. Importance of psychotic features to long-term course in major depressive disorder. *Am J Psychiatry*. 1996 Apr;153(4):483-9.
155. Warshaw MG, Keller MB. The relationship between fluoxetine use and suicidal behavior in 654 subjects with anxiety disorders. *J Clin Psychiatry*. 1996 Apr;57(4):158-66.
156. Winokur G, Coryell W, Endicott J, Keller M, Akiskal H, Solomon D. Familial alcoholism in manic-depressive (bipolar) disease. *Am J Med Genet*. 1996 Apr 9;67(2):197-201.
157. Yonkers KA, Ellison JM, Shera DM, Pratt LA, Cole JO, Fierman E, Keller MB, Lavori PW. Description of antipanic therapy in a prospective longitudinal study. *J Clin Psychopharmacol*. 1996 Jun;16(3):223-32.
158. Herzog DB, Field AE, Keller MB, West JC, Robbins WM, Staley J, Colditz GA. Subtyping eating disorders: is it justified? *J Am Acad Child Adolesc Psychiatry*. 1996 Jul;35(7):928-36.
159. Mueller TI, Keller MB, Leon AC, Solomon DA, Shea MT, Coryell W, Endicott J. Recovery after 5 years of unremitting major depressive disorder. *Arch Gen Psychiatry*. 1996 Sep;53(9):794-9.
160. Solomon DA, Shea MT, Leon AC, Mueller TI, Coryell W, Maser JD, Endicott J, Keller MB. Personality traits in subjects with bipolar I disorder in remission. *J Affect Disord*. 1996 Sep 9;40(1-2):41-8.
161. Solomon DA, Ristow WR, Keller MB, Kane JM, Gelenberg AJ, Rosenbaum JF, Warshaw MG. Serum lithium levels and psychosocial function in patients with bipolar I disorder. *Am J Psychiatry*. 1996 Oct;153(10):1301-7.
162. Goldenberg IM, White K, Yonkers K, Reich J, Warshaw MG, Goisman RM, Keller MB. The infrequency of "pure culture" diagnoses among the anxiety disorders. *J Clin Psychiatry*. 1996 Nov;57(11):528-33.
163. Shea MT, Leon AC, Mueller TI, Solomon DA, Warshaw MG, Keller MB. Does major depression result in lasting personality change? *Am J Psychiatry*. 1996 Nov;153(11):1404-10.
164. Hasin DS, Tsai WY, Endicott J, Mueller TI, Coryell W, Keller M. Five-year course of major depression: effects of comorbid alcoholism. *J Affect Disord*. 1996 Nov 4;41(1):63-70.

165. Kato T, Winokur G, Coryell W, Keller MB, Endicott J, Rice J. Parent-of-origin effect in transmission of bipolar disorder. *Am J Med Genet.* 1996 Nov 22;67(6):546-50.
166. Vasile RG, Goldenberg I, Reich J, Goisman RM, Lavori PW, Keller MB. Panic disorder versus panic disorder with major depression; defining and understanding differences in psychiatric morbidity. *Depress Anxiety.* 1997;5(1):12-20.
167. Hirschfeld RM, Keller MB, Panico S, Arons BS, Barlow D, Davidoff F, Endicott J, Froom J, Goldstein M, Gorman JM, Marek RG, Maurer TA, Meyer R, Phillips K, Ross J, Schwenk TL, Sharfstein SS, Thase ME, Wyatt RJ. The National Depressive and Manic-Depressive Association consensus statement on the undertreatment of depression. *JAMA.* 1997 Jan 22-29;277(4):333-40.
168. Revicki DA, Brown RE, Keller MB, Gonzales J, Culppepper L, Hales RE. Cost-effectiveness of newer antidepressants compared with tricyclic antidepressants in managed care settings. *J Clin Psychiatry.* 1997 Feb;58(2):47-58.
169. Solomon DA, Ryan CE, Keitner GI, Miller IW, Shea MT, Kazim A, Keller MB. A pilot study of lithium carbonate plus divalproex sodium for the continuation and maintenance treatment of patients with bipolar I disorder. *J Clin Psychiatry.* 1997 Mar;58(3):95-9.
170. Coryell W, Winokur G, Solomon D, Shea T, Leon A, Keller M. Lithium and recurrence in a long-term follow-up of bipolar affective disorder. *Psychol Med.* 1997 Mar;27(2):281-9.
171. Zlotnick C, Warshaw M, Shea MT, Keller MB. Trauma and chronic depression among patients with anxiety disorders. *J Consult Clin Psychol.* 1997 Apr;65(2):333-6.
172. Steketee G, Perry JC, Goisman RM, Warshaw MG, Massion AO, Peterson LG, Langford L, Weinshenker N, Farreras IG, Keller MB. The psychosocial treatments interview for anxiety disorders. A method for assessing psychotherapeutic procedures in anxiety disorders. *J Psychother Pract Res.* 1997 Summer;6(3):194-210.
173. Warshaw MG, Massion AO, Shea MT, Allsworth J, Keller MB. Predictors of remission in patients with panic with and without agoraphobia: prospective 5-year follow-up data. *J Nerv Ment Dis.* 1997 Aug;185(8):517-9.
174. Keller MB, Hirschfeld RM, Hanks D. Double depression: a distinctive subtype of unipolar depression. *J Affect Disord.* 1997 Aug;45(1-2):65-73.
175. Solomon DA, Keller MB, Leon AC, Mueller TI, Shea MT, Warshaw M, Maser JD, Coryell W, Endicott J. Recovery from major depression. A 10-year prospective follow-up across multiple episodes. *Arch Gen Psychiatry.* 1997 Nov;54(11):1001-6.
176. Field AE, Herzog DB, Keller MB, West J, Nussbaum K, Colditz GA. Distinguishing recovery from remission in a cohort of bulimic women: how should asymptomatic periods be described? *J Clin Epidemiol.* 1997 Dec;50(12):1339-45.

177. Goisman RM, Allsworth J, Rogers MP, Warshaw MG, Goldenberg I, Vasile RG, Rodriguez-Villa F, Mallya G, Keller MB. Simple phobia as a comorbid anxiety disorder. *Depress Anxiety*. 1998;7(3):105-12.
178. Dawson R, Lavori PW, Coryell WH, Endicott J, Keller MB. Maintenance strategies for unipolar depression: an observational study of levels of treatment and recurrence. *J Affect Disord*. 1998 Apr;49(1):31-44.
179. Yonkers KA, Zlotnick C, Allsworth J, Warshaw M, Shea T, Keller MB. Is the course of panic disorder the same in women and men? *Am J Psychiatry*. 1998 May;155(5):596-602.
180. Coryell W, Solomon D, Leon AC, Akiskal HS, Keller MB, Scheftner WA, Mueller T. Lithium discontinuation and subsequent effectiveness. *Am J Psychiatry*. 1998 Jul;155(7):895-8.
181. Judd LL, Akiskal HS, Maser JD, Zeller PJ, Endicott J, Coryell W, Paulus MP, Kunovac JL, Leon AC, Mueller TI, Rice JA, Keller MB. A prospective 12-year study of subsyndromal and syndromal depressive symptoms in unipolar major depressive disorders. *Arch Gen Psychiatry*. 1998 Aug;55(8):694-700.
182. Winokur G, Turvey C, Akiskal H, Coryell W, Solomon D, Leon A, Mueller T, Endicott J, Maser J, Keller M. Alcoholism and drug abuse in three groups – bipolar I, unipolars and their acquaintances. *J Affect Disord*. 1998 Sep;50(2-3):81-9.
183. Coryell W, Turvey C, Endicott J, Leon AC, Mueller T, Solomon D, Keller M. Bipolar I affective disorder: predictors of outcome after 15 years. *J Affect Disord*. 1998 Sep;50(2-3):109-16.
184. Judd LL, Akiskal HS, Maser JD, Zeller PJ, Endicott J, Coryell W, Paulus MP, Kunovac JL, Leon AC, Mueller TI, Rice JA, Keller MB. Major depressive disorder: a prospective study of residual subthreshold depressive symptoms as predictor of rapid relapse. *J Affect Disord*. 1998 Sep;50(2-3):97-108.
185. Kato T, Winokur G, Coryell W, Rice J, Endicott J, Keller MB, Akiskal HS. Failure to demonstrate parent-of-origin effect in transmission of bipolar II disorder. *J Affect Disord*. 1998 Sep;50(2-3):135-41.
186. Keller MB, Boland RJ. Implications of failing to achieve successful long-term maintenance treatment of recurrent unipolar major depression. *Biol Psychiatry*. 1998 Sep 1;44(5):348-60.
187. Berndt ER, Finkelstein SN, Greenberg PE, Howland RH, Keith A, Rush AJ, Russell J, Keller MB. Workplace performance effects from chronic depression and its treatment. *J Health Econ*. 1998 Oct;17(5):511-35.
188. Rush AJ, Koran LM, Keller MB, Markowitz JC, Harrison WM, Miceli RJ, Fawcett JA, Gelenberg AJ, Hirschfeld RM, Klein DN, Kocsis JH, McCullough JP, Schatzberg AF, Thase ME. The treatment of chronic depression, part 1: study design and rationale for evaluating

- the comparative efficacy of sertraline and imipramine as acute, crossover, continuation, and maintenance phase therapies. *J Clin Psychiatry*. 1998 Nov;59(11):589-97.
189. Keller MB, Gelenberg AJ, Hirschfeld RM, Rush AJ, Thase ME, Kocsis JH, Markowitz JC, Fawcett JA, Koran LM, Klein DN, Russell JM, Kornstein SG, McCullough JP, Davis SM, Harrison WM. The treatment of chronic depression, part 2: a double-blind, randomized trial of sertraline and imipramine. *J Clin Psychiatry*. 1998 Nov;59(11):598-607.
190. Miller IW, Keitner GI, Schatzberg AF, Klein DN, Thase ME, Rush AJ, Markowitz JC, Schlager DS, Kornstein SG, Davis SM, Harrison WM, Keller MB. The treatment of chronic depression, part 3: psychosocial functioning before and after treatment with sertraline or imipramine. *J Clin Psychiatry*. 1998 Nov;59(11):608-19.
191. Keller MB, Kocsis JH, Thase ME, Gelenberg AJ, Rush AJ, Koran L, Schatzberg A, Russell J, Hirschfeld R, Klein D, McCullough JP, Fawcett JA, Kornstein S, LaVange L, Harrison W. Maintenance phase efficacy of sertraline for chronic depression: a randomized controlled trial. *JAMA*. 1998 Nov 18;280(19):1665-72.
192. Hirschfeld RMA, Keller M, Bourgeois M, Baldwin DS, Healy D, Humble M, Kasper S, Montgomery SA. Focus on Social Functioning in Depression. *Int J Psychiatry Clin Prac*. 1998 Dec;2(4):241-3.
193. Zlotnick C, Warshaw M, Shea MT, Allsworth J, Pearlstein T, Keller MB. Chronicity in posttraumatic stress disorder (PTSD) and predictors of course of comorbid PTSD in patients with anxiety disorders. *J Trauma Stress*. 1999 Jan;12(1):89-100.
194. Klein DN, Schatzberg AF, McCullough JP, Keller MB, Dowling F, Goodman D, Howland RH, Markowitz JC, Smith C, Miceli R, Harrison WM. Early- versus late-onset dysthymic disorder: comparison in out-patients with superimposed major depressive episodes. *J Affect Disord*. 1999 Jan-Mar;52(1-3):187-96.
195. Rogers MP, Warshaw MG, Goisman RM, Goldenberg I, Rodriguez-Villa F, Mallya G, Freeman SA, Keller MB. Comparing primary and secondary generalized anxiety disorder in a long-term naturalistic study of anxiety disorders. *Depress Anxiety*. 1999;10(1):1-7.
196. Leon AC, Keller MB, Warshaw MG, Mueller TI, Solomon DA, Coryell W, Endicott J. Prospective study of fluoxetine treatment and suicidal behavior in affectively ill subjects. *Am J Psychiatry*. 1999 Feb;156(2):195-201.
197. Turvey CL, Coryell WH, Solomon DA, Leon AC, Endicott J, Keller MB, Akiskal H. Long-term prognosis of bipolar I disorder. *Acta Psychiatr Scand*. 1999 Feb;99(2):110-9.
198. Turvey CL, Coryell WH, Arndt S, Solomon DA, Leon AC, Endicott J, Mueller T, Keller M, Akiskal H. Polarity sequence, depression, and chronicity in bipolar I disorder. *J Nerv Ment Dis*. 1999 Mar;187(3):181-7.

199. Dawson R, Lavori PW, Coryell WH, Endicott J, Keller MB. Course of treatment received by depressed patients. *J Psychiatr Res.* 1999 May-Jun;33(3):233-42.
200. Eisen JL, Goodman WK, Keller MB, Warshaw MG, DeMarco LM, Luce DD, Rasmussen SA. Patterns of remission and relapse in obsessive-compulsive disorder: a 2-year prospective study. *J Clin Psychiatry.* 1999 May;60(5):346-51, quiz 352.
201. Leon AC, Solomon DA, Mueller TI, Turvey CL, Endicott J, Keller MB. The Range of Impaired Functioning Tool (LIFE-RIFT): a brief measure of functional impairment. *Psychol Med.* 1999 Jul;29(4):869-78.
202. Herzog DB, Dorer DJ, Keel PK, Selwyn SE, Ekeblad ER, Flores AT, Greenwood DN, Burwell RA, Keller MB. Recovery and relapse in anorexia and bulimia nervosa: a 7.5-year follow-up study. *J Am Acad Child Adolesc Psychiatry.* 1999 Jul;38(7):829-37.
203. Mueller TI, Leon AC, Keller MB, Solomon DA, Endicott J, Coryell W, Warshaw M, Maser JD. Recurrence after recovery from major depressive disorder during 15 years of observational follow-up. *Am J Psychiatry.* 1999 Jul;156(7):1000-6.
204. Klein DN, Schatzberg AF, McCullough JP, Dowling F, Goodman D, Howland RH, Markowitz JC, Smith C, Thase ME, Rush AJ, LaVange L, Harrison WM, Keller MB. Age of onset in chronic major depression: relation to demographic and clinical variables, family history, and treatment response. *J Affect Disord.* 1999 Oct;55(2-3):149-57.
205. Goisman RM, Warshaw MG, Keller MB. Psychosocial treatment prescriptions for generalized anxiety disorder, panic disorder, and social phobia, 1991-1996. *Am J Psychiatry.* 1999 Nov;156(11):1819-21.
206. Coryell W, Turvey C, Leon A, Maser JD, Solomon D, Endicott J, Mueller T, Keller M. Persistence of depressive symptoms and cardiovascular death among patients with affective disorder. *Psychosom Med.* 1999 Nov-Dec;61(6):755-61.
207. Gunderson JG, Shea MT, Skodol AE, McGlashan TH, Morey LC, Stout RL, Zanarini MC, Grilo CM, Oldham JM, Keller MB. The Collaborative Longitudinal Personality Disorders Study: development, aims, design, and sample characteristics. *J Personal Disord.* 2000 Winter;14(4):300-15.
208. Solomon DA, Keller MB, Leon AC, Mueller TI, Lavori PW, Shea MT, Coryell W, Warshaw M, Turvey C, Maser JD, Endicott J. Multiple recurrences of major depressive disorder. *Am J Psychiatry.* 2000 Feb;157(2):229-33.
209. Hirschfeld RM, Montgomery SA, Keller MB, Kasper S, Schatzberg AF, Moller HJ, Healy D, Baldwin D, Humble M, Versiani M, Montenegro R, Bourgeois M. Social functioning in depression: a review. *J Clin Psychiatry.* 2000 Apr;61(4):268-75.

210. Judd LL, Akiskal HS, Zeller PJ, Paulus M, Leon AC, Maser JD, Endicott J, Coryell W, Kunovac JL, Mueller TI, Rice JP, Keller MB. Psychosocial disability during the long-term course of unipolar major depressive disorder. *Arch Gen Psychiatry*. 2000 Apr;57(4):375-80.
211. Keller MB, McCullough JP, Klein DN, Arnow B, Dunner DL, Gelenberg AJ, Markowitz JC, Nemeroff CB, Russell JM, Thase ME, Trivedi MH, Zajecka J. A comparison of nefazodone, the cognitive behavioral-analysis system of psychotherapy, and their combination for the treatment of chronic depression. *N Engl J Med*. 2000 May 18;342(20):1462-70. Erratum in: *N Engl J Med* 2001 Jul 19;345(3):232.
212. Yonkers KA, Dyck IR, Warshaw M, Keller MB. Factors predicting the clinical course of generalised anxiety disorder. *Br J Psychiatry*. 2000 Jun;176:544-9.
213. Berndt ER, Koran LM, Finkelstein SN, Gelenberg AJ, Kornstein SG, Miller IM, Thase ME, Trapp GA, Keller MB. Lost human capital from early-onset chronic depression. *Am J Psychiatry*. 2000 Jun;157(6):940-7.
214. Herzog DB, Greenwood DN, Dorer DJ, Flores AT, Ekeblad ER, Richards A, Blais MA, Keller MB. Mortality in eating disorders: a descriptive study. *Int J Eat Disord*. 2000 Jul;28(1):20-6.
215. Berndt ER, Bailit HL, Keller MB, Verner JC, Finkelstein SN. Health care use and at-work productivity among employees with mental disorders. *Health Aff (Millwood)*. 2000 Jul-Aug;19(4):244-56.
216. McCullough JP Jr, Klein DN, Keller MB, Holzer CE 3rd, Davis SM, Kornstein SG, Howland RH, Thase ME, Harrison WM. Comparison of DSM-III-R chronic major depression and major depression superimposed on dysthymia (double depression): validity of the distinction. *J Abnorm Psychol*. 2000 Aug;109(3):419-27.
217. Shea MT, Zlotnick C, Dolan R, Warshaw MG, Phillips KA, Brown P, Keller MB. Personality disorders, history of trauma, and posttraumatic stress disorder in subjects with anxiety disorders. *Compr Psychiatry*. 2000 Sep-Oct;41(5):315-25.
218. Kornstein SG, Schatzberg AF, Thase ME, Yonkers KA, McCullough JP, Keitner GI, Gelenberg AJ, Davis SM, Harrison WM, Keller MB. Gender differences in treatment response to sertraline versus imipramine in chronic depression. *Am J Psychiatry*. 2000 Sep;157(9):1445-52.
219. Judd LL, Paulus MJ, Schettler PJ, Akiskal HS, Endicott J, Leon AC, Maser JD, Mueller T, Solomon DA, Keller MB. Does incomplete recovery from first lifetime major depressive episode herald a chronic course of illness? *Am J Psychiatry*. 2000 Sep;157(9):1501-4.
220. Kornstein SG, Schatzberg AF, Thase ME, Yonkers KA, McCullough JP, Keitner GI, Gelenberg AJ, Ryan CE, Hess AL, Harrison W, Davis SM, Keller MB. Gender differences in chronic major and double depression. *J Affect Disord*. 2000 Oct;60(1):1-11.

221. Warshaw MG, Dolan RT, Keller MB. Suicidal behavior in patients with current or past panic disorder: five years of prospective data from the Harvard/Brown Anxiety Research Program. *Am J Psychiatry*. 2000 Nov;157(11):1876-8.
222. Leon AC, Solomon DA, Mueller TI, Endicott J, Posternak M, Judd LL, Schettler PJ, Akiskal HS, Keller MB. A brief assessment of psychosocial functioning of subjects with bipolar I disorder: the LIFE-RIFT. Longitudinal Interval Follow-up Evaluation-Range Impaired Functioning Tool. *J Nerv Ment Dis*. 2000 Dec;188(12):805-12.
223. Keller MB. Citalopram therapy for depression: a review of 10 years of European experience and data from U.S. clinical trials. *J Clin Psychiatry*. 2000 Dec;61(12):896-908.
224. Keller M. Role of serotonin and noradrenaline in social dysfunction: a review of data on reboxetine and the Social Adaptation Self-evaluation Scale (SASS). *Gen Hosp Psychiatry*. 2001 Jan-Feb;23(1):15-9.
225. Russell JM, Koran LM, Rush J, Hirschfeld RM, Harrison W, Friedman ES, Davis S, Keller M. Effect of concurrent anxiety on response to sertraline and imipramine in patients with chronic depression. *Depress Anxiety*. 2001;13(1):18-27.
226. Bruce SE, Machan JT, Dyck I, Keller MB. Infrequency of "pure" GAD: impact of psychiatric comorbidity on clinical course. *Depress Anxiety*. 2001;14(4):219-25.
227. Dyck IR, Phillips KA, Warshaw MG, Dolan RT, Shea MT, Stout RL, Massion AO, Zlotnick C, Keller MB. Patterns of personality pathology in patients with generalized anxiety disorder, panic disorder with and without agoraphobia, and social phobia. *J Personal Disord*. 2001 Feb;15(1):60-71.
228. Kessler RC, Keller MB, Wittchen HU. The epidemiology of generalized anxiety disorder. *Psychiatr Clin North Am*. 2001 Mar;24(1):19-39.
229. Salzman C, Goldenberg I, Bruce SE, Keller MB. Pharmacologic treatment of anxiety disorders in 1989 versus 1996: results from the Harvard/Brown anxiety disorders research program. *J Clin Psychiatry*. 2001 Mar;62(3):149-52.
230. Phillips KA, Shea MT, Warshaw M, Dyck I, Bruce S, Keller M. The relationship between comorbid personality disorders and treatment received in patients with anxiety disorders. *J Personal Disord*. 2001 Apr;15(2):157-67.
231. Shelton RC, Keller MB, Gelenberg A, Dunner DL, Hirschfeld R, Thase ME, Russell J, Lydiard RB, Crits-Christoph P, Gallop R, Todd L, Hellerstein D, Goodnick P, Keitner G, Stahl SM, Halbreich U. Effectiveness of St John's wort in major depression: a randomized controlled trial. *JAMA*. 2001 Apr 18;285(15):1978-86. Erratum in: *JAMA*. 2001 Jul;286(2):170.

232. Yonkers KA, Dyck IR, Keller MB. An eight-year longitudinal comparison of clinical course and characteristics of social phobia among men and women. *Psychiatr Serv.* 2001 May;52(5):637-43.
233. Leon AC, Mueller TI, Solomon DA, Keller MB. A dynamic adaptation of the propensity score adjustment for effectiveness analyses of ordinal doses of treatment. *Stat Med.* 2001 May 15-30;20(9-10):1487-98.
234. Zlotnick C, Bruce SE, Shea MT, Keller MB. Delayed posttraumatic stress disorder (PTSD) and predictors of first onset of PTSD in patients with anxiety disorders. *J Nerv Ment Dis.* 2001 Jun;189(6):404-6.
235. Koran LM, Gelenberg AJ, Kornstein SG, Howland RH, Friedman RA, DeBattista C, Klein D, Kocsis JH, Schatzberg AF, Thase ME, Rush AJ, Hirschfeld RM, LaVange LM, Keller MB. Sertraline versus imipramine to prevent relapse in chronic depression. *J Affect Disord.* 2001 Jun;65(1):27-36.
236. Keller MB, Ryan ND, Strober M, Klein RG, Kutcher SP, Birmaher B, Hagino OR, Koplewicz H, Carlson GA, Clarke GN, Emslie GJ, Feinberg D, Geller B, Kusumakar V, Papatheodorou G, Sack WH, Sweeney M, Wagner KD, Weller EB, Winters NC, Oakes R, McCafferty JP. Efficacy of paroxetine in the treatment of adolescent major depression: a randomized, controlled trial. *J Am Acad Child Adolesc Psychiatry.* 2001 Jul;40(7):762-72.
237. Coryell W, Arndt S, Turvey C, Endicott J, Solomon D, Mueller T, Leon AC, Keller M. Lithium and suicidal behavior in major affective disorder: a case-control study. *Acta Psychiatr Scand.* 2001 Sep;104(3):193-7.
238. Warshaw MG, Dyck I, Allsworth J, Stout RL, Keller MB. Maintaining reliability in a long-term psychiatric study: an ongoing inter-rater reliability monitoring program using the longitudinal interval follow-up evaluation. *J Psychiatr Res.* 2001 Sep-Oct;35(5):297-305.
239. Bruce SE, Weisberg RB, Dolan RT, Machan JT, Kessler RC, Manchester G, Cuipepper L, Keller MB. Trauma and Posttraumatic Stress Disorder in Primary Care Patients. *Prim Care Companion J Clin Psychiatry.* 2001 Oct;3(5):211-7.
240. Thase ME, Nierenberg AA, Keller MB, Panagides J. Relapse Prevention Study Group. Efficacy of mirtazapine for prevention of depressive relapse: a placebo-controlled double-blind trial of recently remitted high-risk patients. *J Clin Psychiatry.* 2001 Oct;62(10):782-8.
241. Stout RL, Dolan R, Dyck I, Eisen J, Keller MB. Course of social functioning after remission from panic disorder. *Compr Psychiatry.* 2001 Nov-Dec;42(6):441-7.
242. Keel PK, Dorner DJ, Eddy KT, Delinsky SS, Franko DL, Blais MA, Keller MB, Herzog DB. Predictors of treatment utilization among women with anorexia and bulimia nervosa. *Am J Psychiatry.* 2002 Jan;159(1):140-2.

243. Hirschfeld RM, Dunner DL, Keitner G, Klein DN, Koran LM, Kornstein SG, Markowitz JC, Miller I, Nemeroff CB, Ninan PT, Rush AJ, Schatzberg AF, Thase ME, Trivedi MH, Borian FE, Crits-Christoph P, Keller MB. Does psychosocial functioning improve independent of depressive symptoms? A comparison of nefazodone, psychotherapy, and their combination. *Biol Psychiatry*. 2002 Jan 15;51(2):123-33.
244. Weisberg RB, Machan JT, Dyck IR, Keller MB. Do panic symptoms during periods of remission predict relapse of panic disorder? *J Nerv Ment Dis*. 2002 Mar;190(3):190-7.
245. Coryell W, Haley J, Endicott J, Solomon D, Leon AC, Keller M, Turvey C, Maser JD, Mueller T. The prospectively observed course of illness among depressed patients who commit suicide. *Acta Psychiatr Scand*. 2002 Mar;105(3):218-23.
246. Thase ME, Rush AJ, Howland RH, Kornstein SG, Kocsis JH, Gelenberg AJ, Schatzberg AF, Koran LM, Keller MB, Russell JM, Hirschfeld RM, LaVange LM, Klein DN, Fawcett J, Harrison W. Double-blind switch study of imipramine or sertraline treatment of antidepressant-resistant chronic depression. *Arch Gen Psychiatry*. 2002 Mar;59(3):233-9.
247. Ninan PT, Rush AJ, Crits-Christoph P, Kornstein SG, Manber R, Thase ME, Trivedi MH, Rothbaum BO, Zajecka J, Borian FE, Keller MB. Symptomatic and syndromal anxiety in chronic forms of major depression: effect of nefazodone, cognitive behavioral analysis system of psychotherapy, and their combination. *J Clin Psychiatry*. 2002 May;63(5):434-41.
248. Massion AO, Dyck IR, Shea MT, Phillips KA, Warshaw MG, Keller MB. Personality disorders and time to remission in generalized anxiety disorder, social phobia, and panic disorder. *Arch Gen Psychiatry*. 2002 May;59(5):434-40.
249. Thase ME, Rush AJ, Manber R, Kornstein SG, Klein DN, Markowitz JC, Ninan PT, Friedman ES, Dunner DL, Schatzberg AF, Borian FE, Trivedi MH, Keller MB. Differential effects of nefazodone and cognitive behavioral analysis system of psychotherapy on insomnia associated with chronic forms of major depression. *J Clin Psychiatry*. 2002 Jun;63(6):493-500.
250. Judd LL, Akiskal HS, Schettler PJ, Endicott J, Maser J, Solomon DA, Leon AC, Rice JA, Keller MB. The long-term natural history of the weekly symptomatic status of bipolar I disorder. *Arch Gen Psychiatry*. 2002 Jun;59(6):530-7.
251. Weisberg RB, Bruce SE, Machan JT, Kessler RC, Culppepper L, Keller MB. Nonpsychiatric illness among primary care patients with trauma histories and posttraumatic stress disorder. *Psychiatr Serv*. 2002 Jul;53(7):848-54.
252. Zajecka J, Dunner DL, Gelenberg AJ, Hirschfeld RM, Kornstein SG, Ninan PT, Rush AJ, Thase ME, Trivedi MH, Arnow BA, Borian FE, Manber R, Keller MB. Sexual function and satisfaction in the treatment of chronic major depression with nefazodone, psychotherapy, and their combination. *J Clin Psychiatry*. 2002 Aug;63(8):709-16.

253. Keller MB, Hirschfeld RM, Demyttenaere K, Baldwin DS. Optimizing outcomes in depression: focus on antidepressant compliance. *Int Clin Psychopharmacol*. 2002 Nov;17(6):265-71.
254. Shea MT, Stout R, Gunderson J, Morey LC, Grilo CM, McGlashan T, Skodol AE, Dolan-Sewell R, Dyck I, Zanarini MC, Keller MB. Short-term diagnostic stability of schizotypal, borderline, avoidant, and obsessive-compulsive personality disorders. *Am J Psychiatry*. 2002 Dec;159(12):2036-41.
255. Santiago NJ, Klein DN, Vivian D, Vocisano C, Dowling F, Arnow BA, Manber R, Markowitz JC, McCullough JP, Riso LPL, Rothbaum BO, Rush AJ, Thase ME, Keller MB. Pretreatment correlates of the therapeutic alliance in the chronically depressed. *J Contemp Psychotherapy*. 2002 Winter;32(4):281-90.
256. Andrade L, Caraveo-Anduaga JJ, Berglund P, Bijl RV, De Graaf R, Vollebergh W, Dragomirecka E, Kohn R, Keller M, Kessler RC, Kawakami N, Kilic C, Offord D, Ustun TB, Wittchen HU. The epidemiology of major depressive episodes: results from the International Consortium of Psychiatric Epidemiology (ICPE) Surveys. *Int J Methods Psychiatr Res*. 2003;12(1):3-21. Erratum in: *Int J Methods Psychiatr Res*. 2003;12(3):165.
257. Kocsis JH, Rush AJ, Markowitz JC, Borian FE, Dunner DL, Koran LM, Klein DN, Trivedi MH, Arnow B, Keitner G, Kornstein SG, Keller MB. Continuation treatment of chronic depression: a comparison of nefazodone, cognitive behavioral analysis system of psychotherapy, and their combination. *Psychopharmacol Bull*. 2003;37(4):73-87.
258. Yonkers KA, Bruce SE, Dyck IR, Keller MB. Chronicity, relapse, and illness – course of panic disorder, social phobia, and generalized anxiety disorder: findings in men and women from 8 years of follow-up. *Depress Anxiety*. 2003;17(3):173-9.
259. Judd LL, Akiskal HS, Schettler PJ, Coryell W, Maser J, Rice JA, Solomon DA, Keller MB. The comparative clinical phenotype and long term longitudinal episode course of bipolar I and II: a clinical spectrum or distinct disorders? *J Affect Disord*. 2003 Jan;73(1-2):19-32.
260. Manber R, Rush AJ, Thase ME, Arnow B, Klein D, Trivedi MH, Kornstein SG, Markowitz JC, Dunner DL, Munsaka M, Borian FE, Keller M. The effects of psychotherapy, nefazodone, and their combination on subjective sleep in chronic depression. *Sleep*. 2003 Mar 15;26(2):130-6.
261. Judd LL, Akiskal HS, Schettler PJ, Coryell W, Endicott J, Maser JD, Solomon DA, Leon AC, Keller MB. A prospective investigation of the natural history of the long-term weekly symptomatic status of bipolar II disorder. *Arch Gen Psychiatry*. 2003 Mar;60(3):261-9.
262. Pearlstein T, Spurrell E, Hohlstein LA, Gurney V, Read J, Fuchs C, Keller MB. A double-blind, placebo-controlled trial of fluvoxamine in binge eating disorder: a high placebo response. *Arch Womens Ment Health*. 2003 Apr;6(2):147-51.

263. Leon AC, Solomon DA, Mueller TI, Endicott J, Rice JP, Maser JD, Coryell W, Keller MB. A 20-year longitudinal observational study of somatic antidepressant treatment effectiveness. *Am J Psychiatry*. 2003 Apr;160(4):727-33.
264. Manber R, Arnow B, Blasey C, Vivian D, McCullough JP, Blalock JA, Klein DN, Markowitz JC, Riso LP, Rothbaum B, Rush AJ, Thase ME, Keller MB. Patient's therapeutic skill acquisition and response to psychotherapy, alone or in combination with medication. *Psychol Med*. 2003 May;33(4):693-702.
265. Russell JM, Kornstein SG, Shea MT, McCullough JP, Harrison WM, Hirschfeld RM, Keller MB. Chronic depression and comorbid personality disorders: response to sertraline versus imipramine. *J Clin Psychiatry*. 2003 May;64(5):554-61.
266. Zlotnick C, Bruce SE, Weisberg RB, Shea MT, Machan JT, Keller MB. Social and health functioning in female primary care patients with post-traumatic stress disorder with and without comorbid substance abuse. *Compr Psychiatry*. 2003 May-Jun;44(3):177-83.
267. Keller MB. Past, present, and future directions for defining optimal treatment outcome in depression: remission and beyond. *JAMA*. 2003 Jun 18;289(23):3152-60.
268. Judd LL, Schettler PJ, Akiskal HS, Maser J, Coryell W, Solomon D, Endicott J, Keller M. Long-term symptomatic status of bipolar I vs. bipolar II disorders. *Int J Neuropsychopharmacol*. 2003 Jun;6(2):127-37.
269. Bruce SE, Vasile RG, Goisman RM, Salzman C, Spencer M, Machan JT, Keller MB. Are benzodiazepines still the medication of choice for patients with panic disorder with or without agoraphobia? *Am J Psychiatry*. 2003 Aug;160(8):1432-8.
270. Coryell W, Solomon D, Turvey C, Keller M, Leon AC, Endicott J, Schettler P, Judd L, Mueller T. The long-term course of rapid-cycling bipolar disorder. *Arch Gen Psychiatry*. 2003 Sep;60(9):914-20.
271. Rush AJ, Trivedi MH, Ibrahim HM, Carmody TJ, Arnow B, Klein DN, Markowitz JC, Ninan PT, Kornstein S, Manber R, Thase ME, Kocsis JH, Keller MB. The 16-Item Quick Inventory of Depressive Symptomatology (QIDS), clinician rating (QIDS-C), and self-report (QIDS-SR): a psychometric evaluation in patients with chronic major depression. *Biol Psychiatry*. 2003 Sep 1;54(5):573-83. Erratum in: *Biol Psychiatry*. 2003 Sep 1;54(5):585.
272. Rodriguez BF, Weisberg RB, Pagano ME, Machan JT, Culppepper L, Keller MB. Mental health treatment received by primary care patients with posttraumatic stress disorder. *J Clin Psychiatry*. 2003 Oct;64(10):1230-6.
273. Gelenberg AJ, Trivedi MH, Rush AJ, Thase ME, Howland R, Klein DN, Kornstein SG, Dunner DL, Markowitz JC, Hirschfeld RM, Keitner GI, Zajecka J, Kocsis JH, Russell JM, Miller I, Manber R, Arnow B, Rothbaum B, Munsaka M, Banks P, Borian FE, Keller MB. Randomized, placebo-controlled trial of nefazodone maintenance treatment in preventing recurrence in chronic depression. *Biol Psychiatry*. 2003 Oct 15;54(8):806-17.

274. McCullough JP Jr, Klein DN, Borian FE, Howland RH, Riso LP, Keller MB, Banks PL. Group comparisons of DSM-IV subtypes of chronic depression: validity of the distinctions, part 2. *J Abnorm Psychol*. 2003 Nov;112(4):614-22.
275. Solomon DA, Leon AC, Endicott J, Coryell WH, Mueller TI, Posternak MA, Keller MB. Unipolar mania over the course of a 20-year follow-up study. *Am J Psychiatry*. 2003 Nov;160(11):2049-51.
276. Nemeroff CB, Heim CM, Thase ME, Klein DN, Rush AJ, Schatzberg AF, Ninan PT, McCullough JP Jr, Weiss PM, Dunner DL, Rothbaum BO, Kornstein S, Keitner G, Keller MB. Differential responses to psychotherapy versus pharmacotherapy in patients with chronic forms of major depression and childhood trauma. *Proc Natl Acad Sci USA*. 2003 Nov 25;100(24):14293-6. Erratum in: *Proc Natl Acad Sci USA*. 2005 Nov 8;102(45):16530.
277. Klein DN, Schwartz JE, Santiago NJ, Vivian D, Vocisano C, Castonguay LG, Arnow B, Blalock JA, Manber R, Markowitz JC, Riso LP, Rothbaum B, McCullough JP, Thase ME, Borian FE, Miller IW, Keller MB. Therapeutic alliance in depression treatment: controlling for prior change and patient characteristics. *J Consult Clin Psychol*. 2003 Dec;71(6):997-1006.
278. Arnow BA, Manber R, Blasey C, Klein DN, Blalock JA, Markowitz JC, Rothbaum BO, Rush AJ, Thase ME, Riso LP, Vivian D, McCullough JP Jr, Keller MB. Therapeutic reactance as a predictor of outcome in the treatment of chronic depression. *J Consult Clin Psychol*. 2003 Dec;71(6):1025-35.
279. Rodriguez BF, Bruce SE, Pagano ME, Spencer MA, Keller MB. Factor structure and stability of the Anxiety Sensitivity Index in a longitudinal study of anxiety disorder patients. *Behav Res Ther*. 2004 Jan;42(1):79-91.
280. Mueller TI, Kohn R, Leventhal N, Leon AC, Solomon D, Coryell W, Endicott J, Alexopoulos GS, Keller MB. The course of depression in elderly patients. *Am J Geriatr Psychiatry*. 2004 Jan-Feb;12(1):22-9.
281. Zlotnick C, Rodriguez BF, Weisberg RB, Bruce SE, Spencer MA, Culpepper L, Keller MB. Chronicity in posttraumatic stress disorder and predictors of the course of posttraumatic stress disorder among primary care patients. *J Nerv Ment Dis*. 2004 Feb;192(2):153-9.
282. Rodriguez BF, Weisberg RB, Pagano ME, Machan JT, Culpepper L, Keller MB. Frequency and patterns of psychiatric comorbidity in a sample of primary care patients with anxiety disorders. *Compr Psychiatry*. 2004 Mar-Apr;45(2):129-37.
283. Nierenberg AA, Quitkin FM, Kremer C, Keller MB, Thase ME. Placebo-controlled continuation treatment with mirtazapine: acute pattern of response predicts relapse. *Neuropsychopharmacology*. 2004 May;29(5):1012-8.
284. Klein DN, Santiago NJ, Vivian D, Blalock JA, Kocsis JH, Markowitz JC, McCullough Jr JP, Rush AJ, Trivedi MH, Arnow BA, Dunner DL, Manber R, Rothbaum B, Thase ME, Keitner

- GI, Miller IW, Keller MB. Cognitive-behavioral analysis system of psychotherapy as a maintenance treatment for chronic depression. *J Consult Clin Psychol*. 2004 Aug;72(4):681-8.
285. Gelenberg AJ, Shelton RC, Crits-Christoph P, Keller MB, Dunner DL, Hirschfeld RM, Thase ME, Russell JM, Lydiard RB, Gallop RJ, Todd L, Hellerstein DJ, Goodnick PJ, Keitner GI, Stahl SM, Halbreich U, Hopkins HS. The effectiveness of St. John's Wort in major depressive disorder: a naturalistic phase 2 follow-up in which nonresponders were provided alternate medication. *J Clin Psychiatry*. 2004 Aug;65(8):1114-9.
286. Solomon DA, Leon AC, Endicott J, Mueller TI, Coryell W, Shea MT, Keller MB. Psychosocial impairment and recurrence of major depression. *Compr Psychiatry*. 2004 Nov-Dec;45(6):423-30.
287. Rodriguez BF, Bruce SE, Pagano ME, Keller MB. Relationships among psychosocial functioning, diagnostic comorbidity, and the recurrence of generalized anxiety disorder, panic disorder, and major depression. *J Anxiety Disord*. 2005;19(7):752-66.
288. Vasile RG, Bruce SE, Goisman RM, Pagano M, Keller MB. Results of a naturalistic longitudinal study of benzodiazepine and SSRI use in the treatment of generalized anxiety disorder and social phobia. *Depress Anxiety*. 2005;22(2):59-67.
289. Rush AJ, Trivedi MH, Carmody TJ, Ibrahim HM, Markowitz JC, Keitner GI, Kornstein SG, Arnow B, Klein DN, Manber R, Dunner DL, Gelenberg AJ, Kocsis JH, Nemeroff CB, Fawcett J, Thase ME, Russell JM, Jody DN, Borian FE, Keller MB. Self-reported depressive symptom measures: sensitivity to detecting change in a randomized, controlled trial of chronically depressed, nonpsychotic outpatients. *Neuropsychopharmacology*. 2005 Feb;30(2):405-16.
290. Keller MB, Ruwe FJ, Janssens CJ, Sitsen JM, Jokinen R, Janczewski J. Relapse prevention with gepirone ER in outpatients with major depression. *J Clin Psychopharmacol*. 2005 Feb;25(1):79-84.
291. Lieberman JA, Greenhouse J, Hamer RM, Krishnan KR, Nemeroff CB, Sheehan DV, Thase ME, Keller MB. Comparing the effects of antidepressants: consensus guidelines for evaluating quantitative reviews of antidepressant efficacy. *Neuropsychopharmacology*. 2005 Mar;30(3):445-60.
292. Solomon DA, Leon AC, Mueller TI, Coryell W, Teres JJ, Posternak MA, Judd LL, Endicott J, Keller MB. Tachyphylaxis in unipolar major depressive disorder. *J Clin Psychiatry*. 2005 Mar;66(3):283-90.
293. Weisberg RB, Maki KM, Culppepper L, Keller MB. Is anyone really M.A.D.?: the occurrence and course of mixed anxiety-depressive disorder in a sample of primary care patients. *J Nerv Ment Dis*. 2005 Apr;193(4):223-30.

294. Schatzberg AF, Rush AJ, Arnow BA, Banks PL, Blalock JA, Borian FE, Howland R, Klein DN, Kocsis JH, Kornstein SG, Manber R, Markowitz JC, Miller I, Ninan PT, Rothbaum BO, Thase ME, Trivedi MH, Keller MB. Chronic depression: medication (nefazodone) or psychotherapy (CBASP) is effective when the other is not. *Arch Gen Psychiatry*. 2005 May;62(5):513-20.
295. Bruce SE, Yonkers KA, Otto MW, Eisen JL, Weisberg RB, Pagano M, Shea MT, Keller MB. Influence of psychiatric comorbidity on recovery and recurrence in generalized anxiety disorder, social phobia, and panic disorder: a 12-year prospective study. *Am J Psychiatry*. 2005 Jun;162(6):1179-87.
296. Mueller TI, Pagano ME, Rodriguez BF, Bruce SE, Stout RL, Keller MB. Long-term use of benzodiazepines in participants with comorbid anxiety and alcohol use disorders. *Alcohol Clin Exp Res*. 2005 Aug;29(8):1411-8.
297. Manber R, Blasey C, Arnow B, Markowitz JC, Thase ME, Rush AJ, Dowling F, Kocsis J, Trivedi M, Keller MB. Assessing insomnia severity in depression: comparison of depression rating scales and sleep diaries. *J Psychiatr Res*. 2005 Sep;39(5):481-8.
298. Keller MB, Krystal JH, Hen R, Neumeister A, Simon NM. Untangling depression and anxiety: clinical challenges. *J Clin Psychiatry*. 2005 Nov;66(11):1477-84.
299. Judd LL, Akiskal HS, Schettler PJ, Endicott J, Leon AC, Solomon DA, Coryell W, Maser JD, Keller MB. Psychosocial disability in the course of bipolar I and II disorders: a prospective, comparative, longitudinal study. *Arch Gen Psychiatry*. 2005 Dec;62(12):1322-30.
300. Goldstein TR, Birmaher B, Axelson D, Ryan ND, Strober MA, Gill MK, Valeri S, Chiappetta L, Leonard H, Hunt J, Bridge JA, Brent DA, Keller M. History of suicide attempts in pediatric bipolar disorder: factors associated with increased risk. *Bipolar Disord*. 2005 Dec;7(6):525-35.
301. Santiago NJ, Klein DN, Vivian D, Arnow BA, Blalock JA, Kocsis JH, Markowitz JC, Manber R, Riso LP, Rothbaum BO, Rush AJ, Thase ME, McCullough Jr. JP, Keller MB. The Therapeutic Alliance and CBASP-Specific Skill Acquisition in the Treatment of Chronic Depression. *Cogn Ther and Res*. 2006 Dec;29(6):803-17.
302. Krantzler HR, Mueller T, Cornelius J, Pettinati HM, Moak D, Martin PR, Anthenelli R, Brower KJ, O'Malley S, Mason BJ, Hasin D, Keller M. Sertraline treatment of co-occurring alcohol dependence and major depression. *J Clin Psychopharmacol*. 2006 Feb;26(1):13-20.
303. Rodriguez BF, Weisberg RB, Pagano ME, Bruce SE, Spencer MA, Cuipepper L, Keller MB. Characteristics and predictors of full and partial recovery from generalized anxiety disorder in primary care patients. *J Nerv Ment Dis*. 2006 Feb;194(2):91-7.
304. Keller M, Montgomery S, Ball W, Morrison M, Snively D, Liu G, Hargreaves R, Hietala J, Lines C, Beebe K, Reines S. Lack of efficacy of the substance p (neurokinin1 receptor)

- antagonist aprepitant in the treatment of major depressive disorder. *Biol Psychiatry*. 2006 Feb 1;59(3):216-23.
305. Birmaher B, Axelson D, Strober M, Gill MK, Valeri S, Chiappetta L, Ryan N, Leonard H, Hunt J, Iyengar S, Keller M. Clinical course of children and adolescents with bipolar spectrum disorders. *Arch Gen Psychiatry*. 2006 Feb;63(2):175-83.
306. Solomon DA, Leon AC, Maser JD, Truman CJ, Coryell W, Endicott J, Teres JJ, Keller MB. Distinguishing bipolar major depression from unipolar major depression with the screening assessment of depression-polarity (SAD-P). *J Clin Psychiatry*. 2006 Mar;67(3):434-42.
307. Posternak MA, Solomon DA, Leon AC, Mueller TI, Shea MT, Endicott J, Keller MB. The naturalistic course of unipolar major depression in the absence of somatic therapy. *J Nerv Ment Dis*. 2006 May;194(5):324-9.
308. Akiskal HS, Kilzieh N, Maser JD, Clayton PJ, Schettler PJ, Shea MT, Endicott J, Scheftner W, Hirschfeld RM, Keller MB. The distinct temperament profiles of bipolar I, bipolar II and unipolar patients. *J Affect Disord*. 2006 May;92(1):19-33.
309. Esposito-Smythers C, Birmaher B, Valeri S, Chiappetta L, Hunt J, Ryan N, Axelson D, Strober M, Leonard H, Sindelar H, Keller M. Child comorbidity, maternal mood disorder, and perceptions of family functioning among bipolar youth. *J Am Acad Child Adolesc Psychiatry*. 2006 Aug;45(8):955-64.
310. Strober M, Birmaher B, Ryan N, Axelson D, Valeri S, Leonard H, Iyengar S, Gill MK, Hunt J, Keller M. Pediatric bipolar disease: current and future perspectives for study of its long-term course and treatment. *Bipolar Disord*. 2006 Aug;8(4):311-21.
311. Axelson D, Birmaher B, Strober M, Gill MK, Valeri S, Chiappetta L, Ryan N, Leonard H, Hunt J, Iyengar S, Bridge J, Keller M. Phenomenology of children and adolescents with bipolar spectrum disorders. *Arch Gen Psychiatry*. 2006 Oct;63(10):1139-48.
312. Rapaport MH, Gharabawi GM, Canuso CM, Mahmoud RA, Keller MB, Bossie CA, Turkocz I, Lasser RA, Loescher A, Bouhours P, Dunbar F, Nemeroff CB. Effects of Risperidone Augmentation in Patients with Treatment-Resistant Depression: Results of Open-Label Treatment Followed by Double-Blind Continuation. *Neuropsychopharmacology*. 2006 Nov;31(11):2505-13. Corrigendum in *Neuropsychopharmacology*. 2006 Nov;31(11):2514. Corrigendum in *Neuropsychopharmacology*. 2007 May;32(5):1208.
313. Rende R, Birmaher B, Axelson D, Strober M, Gill MK, Valeri S, Chiappetta L, Ryan N, Leonard H, Hunt J, Iyengar S, Keller M. Psychotic symptoms in pediatric bipolar disorder and family history of psychiatric illness. *J Affect Disord*. 2006 Nov;96(1-2):127-31.
314. Francis JL, Weisberg RB, Dyck IR, Culpepper L, Smith K, Orlando Edelen M, Keller MB. Characteristics and Course of Panic Disorder and Panic Disorder With Agoraphobia in Primary Care Patients. *Prim Care Companion J Clin Psychiatry*. 2007;9(3):173-9.

315. Rodriguez BF, Pagano ME, Keller MB. Psychometric characteristics of the Mobility Inventory in a longitudinal study of anxiety disorders: Replicating and exploring a three component solution. *J Anxiety Disord.* 2007;21(5):752-61.
316. Weisberg RB, Dyck I, Culppepper L, Keller MB. Psychiatric treatment in primary care patients with anxiety disorders: a comparison of care received from primary care providers and psychiatrists. *Am J Psychiatry.* 2007 Feb;164(2):276-82.
317. Rende R, Birmaher B, Axelson D, Strober M, Gill MK, Valeri S, Chiappetta L, Ryan N, Leonard H, Hunt J, Iyengar S, Keller M. Childhood-onset bipolar disorder: Evidence for increased familial loading of psychiatric illness. *J Am Acad Child Adolesc Psychiatry.* 2007 Feb;46(2):197-204.
318. Nemeroff CB, Kalali A, Keller MB, Charney DS, Lenderts SE, Cascade EF, Stephenson H, Schatzberg AF. Impact of publicity concerning pediatric suicidality data on physician practice patterns in the United States. *Arch Gen Psychiatry.* 2007 Apr;64(4):466-72.
319. Pagano ME, Rende R, Rodriguez BF, Hargraves EL, Moskowitz AT, Keller MB. Impact of parental history of substance use disorders on the clinical course of anxiety disorders. *Subst Abuse Treat Prev Policy.* 2007 Apr 27;2:13.
320. Kocsis JH, Thase ME, Trivedi MH, Shelton RC, Kornstein SG, Nemeroff CB, Friedman ES, Gelenberg AJ, Dunner DL, Hirschfeld RM, Rothschild AJ, Ferguson JM, Schatzberg AF, Zajecka JM, Pedersen RD, Yan B, Ahmed S, Musgnung J, Ninan PT, Keller MB. Prevention of recurrent episodes of depression with venlafaxine ER in a 1-year maintenance phase from the PREVENT Study. *J Clin Psychiatry.* 2007 Jul;68(7):1014-23.
321. Keller MB, Trivedi MH, Thase ME, Shelton R, Kornstein S, Nemeroff CB, Friedman ES, Gelenberg A, Kocsis JH, Dunner DL, Hirschfeld R, Rothschild AJ, Ferguson J, Schatzberg A, Zajecka J, Pedersen R, Yan B, Ahmed S, Musgnung J, Ninan P. The Prevention of Recurrent Episodes of Depression With Venlafaxine for Two Years (PREVENT) Study: Outcomes From the 2-Year and Combined Maintenance Phases. *J Clin Psychiatry.* 2007 Aug;68(8):1246-56.
322. Keller MB, Trivedi MH, Thase ME, Shelton RC, Kornstein SG, Nemeroff CB, Friedman ES, Gelenberg AJ, Kocsis JH, Dunner DL, Dunlop BW, Hirschfeld RM, Rothschild AJ, Ferguson JM, Schatzberg AF, Zajecka JM, Pedersen R, Yan B, Ahmed S, Schmidt M, Ninan PT. The Prevention of Recurrent Episodes of Depression with Venlafaxine for Two Years (PREVENT) Study: Outcomes from the Acute and Continuation Phases. *Biol Psychiatry.* 2007 Dec 15;62(12):1371-9. 2
323. Solomon DA, Leon AC, Coryell W, Mueller TI, Posternak M, Endicott J, Keller MB. Predicting recovery from episodes of major depression. *J Affect Disord.* [Epub ahead of print 2007 Oct 5]

OTHER PUBLICATIONS:**Journal Supplements:**

1. Hirschfeld RMA, Klerman GL, Keller MB, Andreasen NC, Clayton PJ. The validity of situational/reactive major depressive disorder. *Clin Neuropharmacol.* 1984;7 Suppl 1:710-1.
2. Endicott J, Coryell W, Keller MB, Andreasen NC. Depressive disorders with delusions or hallucinations. *Clin Neuropharmacol.* 1984;7 Suppl 1:712-3.
3. Keller MB, Lavori PW, Klerman GL, Endicott J, Coryell W. Dysthymia and major depression. *Clin Neuropharmacol.* 1984;7 Suppl 1:714-5.
4. Keller MB. The course of manic-depressive illness. *J Clin Psychiatry.* 1988 Nov;49(11) Suppl:4-6.
5. Keller MB, Lavori PW. Natural history of panic disorder. *J Psychiatr Res.* 1990;24 Suppl 1:75.
6. Herzog DB, Keller MB, Lavori PW, Sacks NR. The course and outcome of bulimia nervosa. *J Clin Psychiatry.* 1991 Oct;52 Suppl:4-8.
7. Keller MB. The naturalistic course of anxiety and depressive disorders. *Clin Neuropharmacol.* 1992;15 Suppl 1 Pt A:171A-3A.
8. Keller MB, Baker LA. The clinical course of panic disorder and depression. *J Clin Psychiatry.* 1992 Mar;53 Suppl:5-8.
9. Keller MB. The difficult depressed patient in perspective. *J Clin Psychiatry.* 1993 Feb;54 Suppl:4-8, discussion 9.
10. Reich J, Warshaw M, Peterson LG, White K, Keller M, Lavori P, Yonkers KA. Comorbidity of panic and major depressive disorder. *J Psychiatr Res.* 1993;27 Suppl 1:23-33.
11. Keller MB. Dysthymia in clinical practice: course, outcome and impact on the community. *Acta Psychiatr Scand.* 1994; 383 Suppl:24-34.
12. Keller MB, Hanks DL. The natural history and heterogeneity of depressive disorders: implications for rational antidepressant therapy. *J Clin Psychiatry.* 1994 Sep;55 Suppl A:25-31, discussion 32-3, 98-100.
13. Keller MB. Long-Term Treatment of Depression. (Langzeitbehandlung der Depression.) *Fortschr Neurol Psychiatr.* 1994 Sep;62 Suppl 1:32-8.
14. Keller MB. Depression: a long-term illness. *Br J Psychiatry.* 1994 Dec;26 Suppl:9-15.

15. Keller MB, Hanks DL. Anxiety symptom relief in depression treatment outcomes. *J Clin Psychiatry*. 1995;56 Suppl 6:22-9.
16. Keller MB, Culppepper L, Gorman JM, Wise MG. The experts converse. Special considerations in switching antidepressants. *J Clin Psychiatry*. 1995 Oct;56(10) Suppl:1-12.
17. Keller MB. Treatment Refractory Depression: Long Term Issues. S-31-4. *Eur Neuropsychopharmacol*. 1996 Jun;6 Suppl 3:93.
18. Keller M. Cross-over Study of Sertraline Versus Imipramine in Chronic Depression. P-12-9. *Eur Neuropsychopharmacol*. 1996 Jun;6 Suppl 3:123.
19. Keller MB. Depression: Considerations for treatment of a recurrent and chronic disorder. *J Psychopharmacol*. 1996;10(1) Suppl:9.1-4.
20. Keller MB. Advances in the management of chronic depressive and anxiety disorders. Introduction. *J Clin Psychiatry*. 1997;58 Suppl 13:3-4.
21. Keller MB. Social phobia: Five years of prospective data. 47-2. *Biol Psychiatry*. 1997 Jul;42(1) Suppl 1:133S.
22. Keller M. Double depression: A distinctive subtype of unipolar depression. 81-3. *Biol Psychiatry*. 1997 Jul;42(1) Suppl 1:221S.
23. Thase ME, Keller MB, Gelenberg A, Hirschfeld R, Schatzberg A. Double-blind crossover antidepressant study: Sertraline vs. imipramine. 86-7. *Biol Psychiatry*. 1997 Jul;42(1) Suppl 1:230S.
24. Russell JM, Hirschfeld RMA, Keller MB, Shatzberg AF, Thase ME, Kocsis JH, Gelenberg A. Predictors of response to long-term antidepressant therapy. 90.109. *Biol Psychiatry*. 1997 Jul;42(1) Suppl 1:254S.
25. McCullough JP, Keller MB, Hirschfeld RMA, Russell JM, Dunner DL, Thase ME, Kocsis JH. Collaborative study of nefazodone and CBT-CD in chronically depressed patients. 90.105. *Biol Psychiatry*. 1997 Jul;42(1) Suppl 1:254S.
26. Warshaw MG, Keller MB. The relationship between fluoxetine use and suicidal behavior in 654 subjects with anxiety disorders. (A fluoxetin-kezelés és a szuicid magatartás kapcsolata 654 szorongásos beteg.) *Psychiatria Hungarica*. 1998; Suppl 1:5-20.
27. Keller MB. The long-term treatment of depression. *J Clin Psychiatry*. 1999;60 Suppl 17:41-5, discussion 46-8.
28. Thase ME, Nierenberg AA, Keller MB. Mirtazapine in relapse prevention: a double-blind placebo-controlled study in depressed outpatients. P.1.118. *Eur Neuropsychopharmacol*. 2000 Sep;10 Suppl 3: S265-6.

29. Keller MB. Long-term treatment of recurrent and chronic depression. *J Clin Psychiatry*. 2001;62 Suppl 24:3-5.
30. Keller MB. A review of 10 years of European experience and data from U.S. clinical trials. (A depresszió citaloprammal történő kezelése: A 10 éves Európai tapasztalatból és az egyesült államokbeli klinikai vizsgálatokból származó adatok áttekintése.) *Psychiatria Hungarica*. 2001;16 Suppl 1:41-64.
31. Schatzberg AF, Prather MR, Keller MB, Rush AJ, Laird LK, Wright CW. Clinical use of nefazodone in major depression: a 6-year perspective. *J Clin Psychiatry*. 2002;63 Suppl 1:18-31.
32. Keller MB. Foreword: Global Research in Anxiety and Depression (GRAD) Network Consensus Conference. *J Clin Psychiatry*. 2002;63 Suppl 8:3.
33. Keller MB. The long-term clinical course of generalized anxiety disorder. *J Clin Psychiatry*. 2002;63 Suppl 8:11-6.
34. Keller MB. Rationale and options for the long-term treatment of depression. *Hum Psychopharmacol*. 2002 Jun;17 Suppl 1:S43-6.
35. Keller MB. Long-term treatment strategies in affective disorders. *Psychopharmacol Bull*. 2002 Summer;36 Suppl 2:36-48.
36. Keller MB, Berndt ER. Depression treatment: a lifelong commitment? *Psychopharmacol Bull*. 2002 Summer;36 Suppl 2:133-41.
37. Keller MB. Raising the expectations of long-term treatment strategies in anxiety disorders. *Psychopharmacol Bull*. 2002 Summer;36 Suppl 2:166-74.
38. Keller MB, Kunz NR, Zhang J, Wickland C. Prophylactic treatment with venlafaxine significantly reduces depression recurrence rates even when stringent recurrence criteria are applied. P.1.165. *Eur Neuropsychopharmacol*. 2002 Oct;12 Suppl 3: S237.
39. Keller MB, Entsuah R, Kunz NR. Remission after long-term treatment with venlafaxine. P.1.166. *Eur Neuropsychopharmacol*. 2002 Oct;12 Suppl 3: S237-8.
40. Keller MB, Nemeroff CB, Hackett D, Haudiquet V. Venlafaxine vs fluoxetine, fluvoxamine and paroxetine: Onset of antidepressant action in patients with recurrent depression. P.1.119. *Eur Neuropsychopharmacol*. 2002 Oct;12 Suppl 3:S251-2.
41. Keller MB. The lifelong course of social anxiety disorder: a clinical perspective. *Acta Psychiatr Scand*. 2003;108 Suppl 417:85-94.
42. Keller MB. Paroxetine treatment of major depressive disorder. *Psychopharmacol Bull*. 2003 Spring;37 Suppl 1:42-52.

43. Keller MB. Maintenance treatment of bipolar disorder. In: Optimizing therapeutic options in the treatment of bipolar disorder. Primary Psychiatry. 2003 Jul;CNS Roundtable Monograph Suppl:5-6.
44. Keller MB. Remission versus response: the new gold standard of antidepressant care. J Clin Psychiatry. 2004;65 Suppl 4:53-9.
45. Keller MB. Improving the course of illness and promoting continuation of treatment of bipolar disorder. J Clin Psychiatry. 2004;65 Suppl 15:10-4.
46. Montgomery SA, Keller M, Ball W, Morrison M, Snavely D, Liu G, Lines C, Beebe K. Peptide approaches in the treatment of major depression – lack of efficacy of the substance P (neurokinin1 receptor) antagonist aprepitant. S.13.05. Eur Neuropsychopharmacol. 2004 Oct;14 Suppl 3:S136-7.
47. Maki KM, Weisberg RB, Dyck I, Keller MB. Monotherapy with benzodiazepines or SSRIs versus combined treatment in a sample of primary care patients with panic disorder. P.3.030. Eur Neuropsychopharmacol. 2004 Oct;14 Suppl 3:S316-7.
48. Keller MB. SSRIs and SNRIs: Perceptions, facts, and clinical outcomes. C.03.01. Eur Neuropsychopharmacol. 2004 Oct;14 Suppl 3:S397.
49. Keller MB. Issues in treatment-resistant depression. J Clin Psychiatry. 2005;66 Suppl 8:5-12.
50. Keller M, Yan B, Dunner D, Ferguson J, Friedman E, Gelenberg A, Hirschfeld RMA, Kocsis J, Kornstein S, Nemeroff C, Ninan P, Rothschild A, Schatzberg A, Shelton R, Thase ME, Trivedi MH, Zajecka J, Ahmed S, Musgnung J, Pedersen R. Two-year maintenance treatment study assessing recurrence prevention with venlafaxine XR in patients with recurrent unipolar major depression. P.2c.019. Eur Neuropsychopharmacol. 2006;16 Suppl 4:S322-3.
51. Keller MB. Prevalence and impact of comorbid anxiety and bipolar disorder. J Clin Psychiatry. 2006;67 Suppl 1:5-7.
52. Keller MB. Social anxiety disorder clinical course and outcome: review of Harvard/Brown Anxiety Research Project (HARP) findings. J Clin Psychiatry. 2006;67 Suppl 12:14-9.
53. Keller MB. Long-term treatment of patients with recurrent unipolar major depression: evidence to clinical practice. CNS Spectr. 2006 Dec;11(12) Suppl 15:4-5.
54. Keller M, Yan B, Musgnung J, Dunner D, Ferguson J, Friedman E, Gelenberg A, Hirschfeld R, Kocsis J, Kornstein S, Nemeroff C. Recurrence prevention in patients with recurrent major depression receiving 12 months of treatment with venlafaxine XR. P067. Eur Psychiatry. 2007 Mar;22 Suppl 1:S240-1.
55. Keller M, Yan B, Musgnung J, Dunner D, Ferguson J, Friedman E, Gelenberg A, Hirschfeld R, Kocsis J, Kornstein S, Nemeroff C. Two-year placebo-controlled maintenance study to

assess recurrence prevention with venlafaxine XR in patients with recurrent unipolar major depression. P068. Eur Psychiatry. 2007 Mar;22 Suppl 1:S241.

Book Chapters and Monographs:

1. Chapters In: Lazare A, ed. Outpatient Psychiatry, Diagnosis and Treatment. Baltimore, MD: Williams & Wilkins, 1979.
 - a. Keller MB, Manschreck TM. The biological approach. Chapter 2: 13-8.
 - b. Manschreck TM, Keller MB. The mental status examination: General considerations. Chapter 9: 172-7.
 - c. Manschreck TM, Keller MB. The biologic mental status examination I: General appearance and behavior, emotional state, perception and thinking. Chapter 10: 178-202.
 - d. Keller MB, Manschreck TM. The biologic mental status examination II: Higher intellectual functioning. Chapter 11: 203-14.
 - e. Lazare A, Keller MB, Rubinstein J, Eisenthal S. The clinical record: A multidimensional/ hypothesis testing/negotiated approach. Chapter 14: 238-45.
 - f. Manschreck TM, Keller MB. Disturbances of thinking. Chapter 19: 265-70.
 - g. Manschreck TM, Keller MB. Perceptual disturbances. Chapter 20: 271-4.
 - h. Keller MB, Manschreck TM. Disorders of higher intellectual functioning. Chapter 21: 275-86.
 - i. Manschreck TM, Keller MB. Motor disturbances. Chapter 22: 287-95.
2. Keller MB. Transsexualism. In: Manschreck TM, Murray G, Kuehnle J, eds. Psychiatric Medicine Update: Massachusetts General Hospital Reviews for Physicians. New York, NY: Elsevier-North Holland, 1981. 87-102.
3. Lavori PW, Keller MB. Application of survival analysis to psychiatric research. In: Gibbons RD, Dysken M, eds. Statistical and Methodological Advances in Psychiatric Research. New York, NY: Spectrum Publications Inc., 1983. 131-48.
4. Keller MB. Chronic and recurrent affective disorders: incidence, course, and influencing factors. In: Kemali D, Racagni G, eds. Chronic treatments in neuropsychiatry: Advances in Biochemical Psychopharmacology, Volume 40. New York, NY: Raven Press, 1985. 111-20.
5. Hirschfeld RMA, Klerman GL, Andreasen NC, Clayton PJ, Keller MB. Psychosocial predictors of chronicity in depression. In: Halbreich U, Feinberg SS, eds. Psychosocial Aspects of Nonresponse to Antidepressant Drugs. Washington, DC: American Psychiatric Press, Inc., 1986. Chapter 6: 83-92.

6. Keller MB. Differential diagnosis, natural course and epidemiology of bipolar disorder. In: Hales RE, Frances AJ, eds. *Psychiatry Update: The American Psychiatric Association Annual Review*, Volume 6. Washington, DC: American Psychiatric Press, Inc., 1987. Chapter 1: 10-31.
7. Klerman GL, Hirschfeld RMA, Andreasen NC, Coryell W, Endicott J, Fawcett J, Keller MB, Scheftner WA. Major depression and related affective disorders. *Proceedings of the American Psychiatric Press, "DSM III: diagnosis and classification in Psychiatry,"* 1987.
8. Klerman GL, Keller MB, Fawcett JA, Andreasen NC, Hirschfeld RMA, Endicott J. Major depression and related affective disorders. In: Tischler GL, ed. *Diagnosis and Classification in Psychiatry: A Critical Appraisal of DSM-III*. New York, NY: Cambridge Press, 1987. Chapter 1: 3-31
9. Keller MB, Sessa FM. Dysthymic and cyclothymic disorders. In: Last CG, Hersen M, eds. *Handbook of Child Psychiatric Diagnosis*. New York, NY: John Wiley & Sons, Inc., 1988. Chapter 16: 330-42.
10. Chapters In: Hales RE, France AJ, eds. *The American Psychiatric Association Annual Review*, Vol 7. Washington, DC: American Psychiatric Press, Inc., 1988. (Editor, Section II.)
 - a. Keller MB. Section II: Unipolar Depression. Foreword: 147-8.
 - b. Keller MB. Diagnostic issues and clinical course of unipolar illness. Chapter 9: 188-212.
 - c. Keller MB. Section II: Unipolar Depression. Afterword: 274-81.
11. Chapters In: Lazare A, ed. *Outpatient Psychiatry, Diagnosis and Treatment*, Second Edition. Baltimore, MD: Williams and Wilkins, 1988.
 - a. Manschreck TM, Keller MB. The mental status examination: General appearance and behavior, emotional state, perception, speech and language, and thinking. Chapter 12: 160-87.
 - b. Keller MB, Manschreck TM. The mental status examination II: Higher intellectual functioning. Chapter 13: 188-99.
 - c. Manschreck TM, Keller MB. Disturbances of thinking. Chapter 21: 267-73.
 - d. Manschreck TM, Keller MB. Perceptual disturbances. Chapter 22: 274-9.
12. Keller MB, Friedman B, Lavori PW. The nature of recovery and relapse in depressive disorders. In: Flach F, ed. *Affective disorders*. New York, NY: WW Norton & Co, 1988. Chapter 5: 38-51.

13. Keller MB, Sessa FM. Dysthymia: Development and clinical course. In: Burton SW, Akiskal HS, eds. *Dysthymic Disorder: A New Concept in Chronic Mild Depression*. London, UK: Gaskell Publications Ltd, 1990. Chapter 2: 13-23.
14. Herzog DB, Keller MB, Lavori PW, Bradburn IS, Ott IL. Course and outcome of bulimia. In: Fichter M, ed. *Bulimia: Basic Research, Diagnosis and Therapy*. Stuttgart, Germany: Enke Verlag, 1990. Chapter 9: 126-41.
15. Keller MB, Sessa FM, Jones LP. Chronic depressive disorders. In: Thase ME, Edelstein BA, Hersen M, eds. *Handbook of Outpatient Treatment of Adults: Nonpsychotic Mental Disorders*. New York, NY: Plenum Press, 1990. Chapter 7: 139-160.
16. Keller MB, Wunder J. Depressive disorders. In: Hyman SE, Jenike MA, eds. *Manual of Clinical Problems in Psychiatry with Annotated Key References*. Boston, MA: Little, Brown & Company, 1990. Chapter 2: 7-15.
17. Keller MB, Wunder J. Bipolar disorder in childhood. In: Hersen M, Last CG, eds. *Handbook of Child and Adult Psychopathology: A Longitudinal Perspective*. Tarrytown, NY: Pergamon Press, 1990. Chapter 5: 69-81.
18. Hirschfeld RMA, Hasin D, Keller MB, Endicott J, Wunder J. Depression and alcoholism: Comorbidity in a longitudinal study. In: Maser J, Cloninger CL, eds. *Comorbidity of Mood and Anxiety Disorders*. Washington, DC: American Psychiatric Association Press, 1990. Chapter 18: 293-303.
19. Keller MB. Diagnostic and course-of-illness variables pertinent to refractory depression. In: Tasman A, Kaufman C, Goldfinger S, eds. *The American Psychiatric Association Annual Review of Psychiatry, Volume 9*. Washington, DC: American Psychiatric Press, Inc., 1990. Chapter 1: 10-32.
20. Herzog DB, Keller MB, Lavori PW, Yeh C. Clinical overview of bulimia nervosa. In: Racagni G, Brunello N, Fukuda T, eds. *Biological Psychiatry, Volume 2*. New York, NY: Excerpta Medica, 1991. 288-9.
21. Keller MB, Baker LA, Russell CW. Classification and treatment of dysthymia. In: Dunner DL, ed. *Current Psychiatric Therapy*. Philadelphia, PA: WB Saunders Company, Harcourt Brace Jovanovich, Inc., 1993. Chapter 33: 210-4.
22. Klerman GL, Hirschfeld RMA, Weissman MM, Pelicer Y, Ballenger JC, Costa E, Silve JA, Judd LL, Keller MB. Panic anxiety and its treatments: Report of the World Psychiatric Association Presidential Educational Program Task Force. Washington, DC: American Psychiatric Association Press, 1993.
23. Keller MB. Chronicity, relapse, recurrence, and psychosocial morbidity in severe depression and the role of maintenance treatment. In: Grunhaus L, Greden J, eds. *Severe Depressive Disorders, Number 44*. Washington, DC: American Psychiatric Association Press, 1994. Chapter 5: 111-39.

24. Solomon DA, Keller MB. Mood disorders. In: Rakel RE, ed. *Conn's Current Therapy*. Philadelphia, PA: WB Saunders Company, Harcourt Brace & Co, 1995. 1054-60.
25. Keller MB, Hanks DL. Course and natural history of chronic depression. In: Kocsis JH, Klein DN, eds. *Diagnosis and Treatment of Chronic Depression*. New York, NY: Guilford Publications, Inc., 1995. Chapter 4: 58-72.
26. Angst J, Lepine J-P, Keller MB, Hanks DL, Merikangas KR. Social phobia: Epidemiology, developmental antecedents and social impact. WPA Social Phobia Educational Program. Brussels, Belgium: KPR International, 1995.
27. Boland RJ, Keller MB. Outcome studies of depression in adulthood. In: Shulman K, Tohen M, Kutcher S, eds. *Mood Disorders Across the Lifespan*. New York, NY: John Wiley & Sons, Inc., 1996. Chapter 11: 217-50.
28. Keller MB, Russell CW. Dysthymia. In: Widiger T, Frances AF, Pincus H, et al, eds. *DSM-IV Sourcebook, Volume 2*. Washington, DC: American Psychiatric Association Press, 1996. Chapter 1: 21-35.
29. Kohn R, Keller MB. Emotions. In: Tasman A, Kay J, Lieberman JA, eds. *Psychiatry*. Philadelphia, PA: WB Saunders Company, 1997. Chapter 25: 528-39.
30. Keller MB, Boland RJ. Antidepressants. In: Tasman A, Kay J, Lieberman JA, eds. *Psychiatry*. Philadelphia, PA: WB Saunders, 1997. Chapter 84: 1606-39.
31. Kohn R, Keller MB. Emotions. In: Taylor DH, Tasman A, Kay J, Lieberman JA, eds. *Psychiatry, Self Assessment and Review*. Philadelphia, PA: WB Saunders Company, 1997. Chapter 25: 71-3.
32. Keller MB, Boland RJ. Antidepressants. In: Taylor DH, Tasman A, Kay J, Lieberman JA, eds. *Psychiatry, Self Assessment and Review*. Philadelphia, PA: WB Saunders Company, 1997. Chapter 84: 220-4.
33. Keller MB, Boland RJ. Antidepressants. In: Tasman A, Kay J, Lieberman JA, eds. *Study Guide for Psychiatry*. Philadelphia, PA: WB Saunders, 1997. Chapter 55: 538-52.
34. Keller MB, Klein DN, Hirschfeld RMA, Kocsis JH, McCullough JP, Miller I, First MB, Holzer CP 3rd, Keitner GI, Marin DB, Shea MT. Results of the DSM-IV Mood Disorders Field Trial. In: Widiger T, Frances AF, Pincus H, et al, eds. *DSM-IV Sourcebook, Volume 4*. Washington, DC: American Psychiatric Association Press, 1998. Chapter 43: 717-32.
35. Boland RJ, Keller MB. Approaches to diagnosing depression, and the reciprocal relationship to depression research. In: Maj M, Sartorius N, eds. *Depressive Disorders: World Psychiatric Association Evidence and Experience in Psychiatry Series: Volume 1*. West Sussex, UK: John Wiley & Sons, 1999. Chapter 1.5: 63-5.

36. Boland RJ, Keller MB. Mixed-state bipolar disorders: Outcome data from the NIMH Collaborative Program on the Psychobiology of Depression. In: Goldberg JF, Harrow M, eds. *Bipolar Disorders: Clinical Course and Outcome*. Washington, DC: American Psychiatric Press, 1999. Chapter 6: 115-28.
37. Boland RJ, Keller MB. Treatment of Chronic depression. In: Dunner DL, Rosenbaum JF, eds. *The Psychiatric Clinics of North America: Annual of Drug Therapy*. Philadelphia, PA: WB Saunders, 1999. 93-113.
38. Boland RJ, Keller MB. Diagnostic classification of mood disorders: historical context and implications for neurobiology. In: Charney DS, Nestler EJ, eds. *Neurobiology of Mental Illness*, Second Edition. Oxford University Press, 1999. Chapter 23: 291-8.
39. Boland RJ, Keller MB. Other affective disorders. In: Henn F, Sartorius N, Helchman H, Lauter H, eds. *Contemporary Psychiatry, Volume 3, Specific Psychiatric Disorders*. Berlin: Springer-Verlag, 2001. (English edition of Henn F, Sartorius N, Helchman H, Lauter H, eds. *Psychiatrie der Gegenwart*. Berlin/Heidelberg, Germany: Springer-Verlag, 1997.) Chapter 16: 217-29.
40. Boland RJ, Keller MB. Chronic and recurrent depression: Pharmacotherapy and psychotherapy combinations. In: Greden JF (Vol. ed.), Oldham JM, Riba MB (Series eds.) *Treatment of recurrent depression: Annual Review of Psychiatry, Volume 20, Number 5*. Washington, DC: American Psychiatric Press, 2001. Chapter 3: 59-80.
41. Boland RJ, Keller MB. Course and outcome of depression. In: Gotlib IH, Hammen CL, eds. *Handbook of Depression*. New York, NY: Guilford Press. 2002. Chapter 2: 43-60.
42. Boland RJ, Keller MB. The course of depression. In: Davis KL, Charney D, Coyle JT, Nemeroff C, eds. *Neuropsychopharmacology: The fifth generation of progress*. Nashville, TN: ACNP Press, 2002. Chapter 69: 1009-15.
43. Boland R, Keller MB. Broadening the definition of bipolar disorder. In: Maj M, Akiskal HS, Lopez-Ibor JJ, Sartorius N, eds. *Bipolar Disorder*. New York, NY: John Wiley & Sons, Inc., 2002. Chapter 1.8: 69-72.
44. Boland RJ, Keller MB. Long term treatment of depression. In: Boer JAu, Westenberg HGM, eds. *Antidepressants: Selectivity or Multiplicity*. Amsterdam: Benecke, 2002. 171-82.
45. Boland RJ, Keller MB. Pharmacotherapy of depression: The acute and long-term perspective. In: Kasper S, den Boer JA, Sitsen JMA, eds. *Handbook of Depression and Anxiety*, Second Edition. 2003. Chapter 23: 583-98.
46. Kohn R, Keller MB. Emotions. In: Tasman A, Kay J, Lieberman JA, eds. *Psychiatry*, Second Edition. New York, NY: Wiley & Sons Press, 2003. Chapter 35: 607-19.

47. Boland RJ, Keller MB. Antidepressants. In: Tasman A, Kay J, Lieberman JA, eds. *Psychiatry, Second Edition*. New York, NY: Wiley & Sons Press, 2003. Chapter 97: 1990-2032.
48. Boland RJ, Keller MB. Diagnostic classification of mood disorders: historical context and implications for neurobiology. In: Charney DS, Nestler EJ, eds. *Neurobiology of Mental Illness, Second Edition*. USA: Oxford University Press, 2004. Chapter 26: 357-68.
49. Boland RJ, Keller MB. Treatment of Depression. In: Schatzberg AF, Nemeroff CB, eds. *Textbook of Psychopharmacology, Third Edition*. Washington, DC: American Psychiatric Publishing, 2004. Chapter 52: 847-64.
50. Boland RJ, Keller MB. Clinical Course in Bipolar Disorder. In: Kasper S, Hirschfeld R. *Handbook of Bipolar Disorder*. New York, NY: Taylor & Francis Group LLC, 2005. Chapter 8: 95-106.
51. Boland RJ, Keller MB. Treatment of Depression. In: Schatzberg AF, Nemeroff CB, eds. *Essentials of Clinical Psychopharmacology, Second Edition*. Washington, DC: American Psychiatric Publishing, 2006. Chapter 31: 465-78.

Other Publications - Editorials, Letters, and Book Reviews:

1. Keller MB. Reactive depression. *Physician & Patient*. 1983;9-47.
2. Keller MB, Lavori PW, Endicott J, Klerman GL, Coryell W, Fawcett JA. Treatment of depression. *JAMA*. 1983 Apr 8;249(14):1824.
3. Keller MB, Lavori PW, Endicott J, Klerman GL, Coryell W, Fawcett JA. Antidepressant drugs as a cause of death. *JAMA*. 1983 Apr 8;249(14):1826.
4. Keller MB, Lavori PW, Klerman GL, Endicott J, Coryell W, Fawcett JA. Treatment of depression. *JAMA*. 1983;249(18):2457-8.
5. Keller MB. Possible Effects of Rapid Cycling in "Double Depression." *Am J Psychiatry*. 1984 Feb;141(2):328-9.
6. Keller MB. Review of: The Behavior of Psychiatric Patients: Quantitative Techniques for Evaluation. Burdick EI, Sudilovsky A, Gershon S, eds. *Am J Psychiatry*. 1984 Feb;141(2):317-8.
7. Keller MB, Friedman BL, Lavori PW. The nature of recovery and relapse in depressive disorders. *Directions in Psychiatry*. 1984;4(18):1-8.
8. Keller MB. Incidence of relapse in depression. *Med Aspects Hum Sex*. 1985;19(9):153-4.
9. Hirschfeld RMA, Keller MB. The clinical course of major depression. *Masters in Psychiatry*. 1985;9-12.

10. Keller MB. Review of: *The Affective Disorders*. Davis JM, Maas JW, eds. *Am J Psychiatry*. 1985;142(9):1112-3.
11. Keller MB, Lavori PW. Commentary. The adequacy of treating depression. *J Nerv Ment Dis*. 1988 Aug;176(8):471-4.
12. Keller MB, Herzog DB, Lavori PW, Ott IL, Bradburn IS, Mahoney EM. High rates of chronicity and rapidity of relapse in patients with bulimia nervosa and depression. *Arch Gen Psychiatry*. 1989 May;46(5):480-1.
13. Keller MB, Carver A. Review of: *Life-span Research on the Prediction of Psychopathology*. Erlenmeyer-Kimling L, Miller NE, eds. *Am J Psychiatry*. 1990;147(2):254.
14. Keller MB, Baker LA. The effects of major depression on dysthymia. *Clin Adv Treat Psychiatr Disord*. April/May 1990;4(2):4,7.
15. Keller MB. Depression. Underrecognition and undertreatment by psychiatrists and other health care professionals. *Arch Intern Med*. 1990 May;150(5):946-8.
16. Keller MB. Early results in "landmark" anxiety study. *Anxiety Disorders Association of America Reporter*. 1991 Sep/Oct;2(3):1,4.
17. Keller MB. Panic disorders: introduction. *RI Med*. 1992 May;75(5):233-5.
18. Herzog DB, Keller MB, Lavori PW, Gray HM. A bulimia family survey. *J Am Acad Child Adolesc Psychiatry*. 1992 Nov;31(6):1170-1.
19. Keller MB. HARP study shows medical problems, under-use of behavioral treatment. *Anxiety Disorders Association of America Reporter*. 1993 Winter;4(1):1,10.
20. Keller MB. Overview of depression: chronicity, recurrence, morbidity and the need for maintenance treatment. *RI Med*. 1993 Aug;76(8):381-6.
21. Keller MB. Summary. *Current Therapeutic Res*. 1993 Dec;54(6):850-1.
22. Keller MB, Hanks DL. Psychiatry in the year 2018. *RI Med*. 1994 Jun;77(6):170-2.
23. Keller MB. Long-term treatment of depression. S-7-5. *Eur Neuropsychopharmacol*. 1994 Sep;4(3):205.
24. Keller M. Cross-over studies of chronic resistant depression. S-14-4. *Eur Neuropsychopharmacol*. 1995 Sep;5(3):198-9.
25. Keller MB. Modern approach in the treatment of anxiety associated with depression. SAT-2-3. *Eur Neuropsychopharmacol*. 1995 Sep;5(3):250.
26. Keller M. The role of continuation treatment in chronic depression. SAT-6-3. *Eur Neuropsychopharmacol*. 1995 Sep;5(3):259-60.

27. Keller MB. Mood Disorders: Preface. *Psychiatr Clin North Am.* 1996 Mar;19(1):xi-xii.
(*Editor of this issue: Martin B. Keller, MD*)
28. Keller MB, Kocsis JH, Thase ME, Gelenberg AJ, Rush AJ, Koran L, Schatzberg A, Russell J, Hirschfeld R, Klein D, McCullough JP, Kornstein S, Fawcett JA, LaVange L, Harrison W. Response to a letter re: Relapse of depressive symptoms after discontinuing sertraline. *JAMA.* 1999;281(4):323-4. Erratum in: *JAMA.* 2000 Jan;283(1):57.
29. Keller MB. Response to a letter re: Nefazodone and psychotherapy and their combination for chronic depression. *N Engl J Med.* 2000;343(14):1041-2.
30. Culpepper L, Keller MB, Smith NL. Diagnosis and treatment of anxiety disorders: A primary care perspective. A Continuing Education Self-Study Program for Physicians. Sponsored by Medical Education Resources, 2000.
31. Solomon DA, Leon AC, Mueller TI, Shea MT, Keller MB. Response to a letter re: Recurrence of affective disorder. *Am J Psychiatry.* 2001 May;158(5):820.
32. Kornstein SG, Schatzberg AF, Thase ME, Yonkers KA, McCullough JP, Keitner GI, Gelenberg AJ, Davis SM, Keller MB. Response to a letter re: Gender differences in treatment response to sertraline versus imipramine in chronic depression. *Am J Psychiatry.* 2001 Sep;158(9):1532-3.
33. Keller MB, Ryan ND, Wagner KD. Response to a letter re: Paroxetine in adolescent major depression. *J Am Acad Child Adolesc Psychiatry.* 2002 Apr;41(4):364.
34. Keller MB, McCafferty JP. Response to a letter re: Paroxetine in the treatment of adolescent major depression. *J Am Acad Child Adolesc Psychiatry.* 2002 Nov;41(11):1270.
35. Keller MB, Ryan ND. Response to a letter re: Paroxetine in the treatment of adolescent major depression. *J Am Acad Child Adolesc Psychiatry.* 2002 Nov;41(11):1271.
36. Keller MB, Ryan ND, Strober M, Weller EB, McCafferty JP, Hagino OR, Birmaher B, Wagner KD. Response to a letter re: Paroxetine in major depression. *J Am Acad Child Adolesc Psychiatry.* 2003 May;42(5):514-5.
37. Dunner DL, Blier P, Keller MB, Pollack MH, Thase ME, Zajecka JM. Preventing Recurrent Depression: Long-Term Treatment for Major Depressive Disorder (from the roundtable meeting.) *J Clin Psychiatry.* 2007 Apr;68(4):619-30.
38. Dunner DL, Blier P, Keller MB, Pollack MH, Thase ME, Zajecka JM. Preventing Recurrent Depression: Long-Term Treatment for Major Depressive Disorder (from the roundtable meeting.) *Prim Care Companion J Clin Psychiatry.* 2007;9(3):214-23.

INVITED PRESENTATIONS (SINCE 1997):

1997:

National Conferences and Grand Rounds

- "The Long-Term Treatment of Depression." Dallas, Texas. February 7, 1997.
- "The Long-Term Treatment of Depression." Los Angeles, California. February 11, 1997.
- "Brown Brain Science Day," Chairperson. Brown University, Providence, Rhode Island. April 3, 1997.
- "Comorbidity Factors and the Treatment of Depression," Symposium Chairperson. American Psychiatric Association Annual Meeting. San Diego, California. May 17, 1997.
- "Treatment of Chronic Depression," American Psychiatric Association Annual Meeting. San Diego, California. May 20, 1997.
- "Recurrent Unipolar Major Depression is a Life-long Illness that Requires Life-long Treatment. Yes, no, maybe and if only there were one more study . . ." Distinguished Psychiatrist Lecturer, American Psychiatric Association Annual Meeting. San Diego, California. May 22, 1997.
- "The Long-term Treatment of Depression," Advances in Mood Disorders and Schizophrenia: Diagnoses, Biology and Treatment. Annual Symposium for Psychiatry Residents from all US Medical Schools. Palm Beach, Florida. September 5, 1997.
- "The Long-term Treatment of Depression," Long-term Management of Depression Symposium. Boston, Massachusetts. October 3, 1997.
- "Pharmacotherapy of Mood Disorders," Psychopharmacology: An Update Conference. Syracuse, New York, October 16, 1997.
- "Long-term Treatment of Recurrent Unipolar Depression, Major Depression and Chronic Major Depression," Jan Fawcett, MD, 25-Year Celebration. Chicago, Illinois. October 17, 1997.
- "Comorbidity Factors and the Treatment of Depression," Symposium Chairperson, American Psychiatric Association 49th Institute on Psychiatric Services. Washington, DC, October, 25, 1997.
- "What are the Implications of Failing to Achieve Successful Long-term Maintenance of Major Depression?" A Decade of Serotonin Research Neuroscience Conference. Amelia Island, Florida. November, 17, 1997.
- "Sertraline Maintenance Therapy in Chronic Depression," Poster, American College of Neuropsychopharmacology Annual Meeting. Kamuela, Hawaii. December 8, 1997.

International Conferences

- "The SSRI Revolution: How Far Have We Come?" Symposium Chairperson, 6th World Congress of Biological Psychiatry. Nice, France. June 24, 1997.
- "Social Phobia: Five Years of Prospective Data," 6th World Congress of Biological Psychiatry. Nice, France. June 24, 1997.
- "Patient Concerns In Chronic Depression: Impact On Adherence To Treatment," Symposium Chairperson. 6th World Congress of Biological Psychiatry. Nice, France. June 25, 1997.
- "Double Depression: A Distinctive Subtype of Unipolar Depression," 6th World Congress of Biological Psychiatry. Nice, France. June 26, 1997.
- "Social Phobia: Five Years of Prospective Data," 10th European College of Neuropsychopharmacology Congress. Vienna, Austria. September 15, 1997.
- "Social Phobia and Panic Disorder: Five Years of Prospective Data," 10th European College of Neuropsychopharmacology Congress. Vienna, Austria. September 15, 1997.

1998:

National Conferences and Grand Rounds

1. "Is the Clinical Course of Anxiety Disorders Just Too Much Worrying or a Life-threatening Pernicious Illness?" Dartmouth COOP Annual Meeting. Hanover, New Hampshire. January 30 & Feb 1, 1998.
2. "Is Continuation and Maintenance Treatment Warranted for Unipolar Major Depression? Yes, No, Maybe?" Dartmouth COOP Annual Meeting. Hanover, New Hampshire. January 30 & Feb 1, 1998.
3. "Long-term Treatment of Recurrent and Chronic Depression," Department of Psychiatry Grand Rounds, University of Pennsylvania. Philadelphia, Pennsylvania. April 16, 1998.
4. "Preventing the Recurrence of Chronic Depression," National Psychiatry Speakers Alliance. Toronto, Canada. May 29, 1998.
5. "Epidemiology, Clinical Course and Treatment Efficacy of Chronic Depression," 151st American Psychiatric Association Annual Meeting. Toronto, Canada. May 31, 1998.
6. "Management of Mental Disorders in Baby Boomers and Beyond," Symposium Chairperson, 151st American Psychiatric Association Annual Meeting. Toronto, Canada. May 31, 1998.
7. "Paroxetine and Imipramine in the Treatment of Adolescent Depression," New Research Presentation, 151st American Psychiatric Association Annual Meeting. Toronto, Canada. May 31, 1998.
8. "Long-term Treatment of Recurrent and Chronic Depression," Annual Psychiatry Residents Symposium. Palm Beach, Florida. September 11, 1998.

9. "Long-term Treatment of Recurrent and Chronic Depression," Chairperson, Looking Up: Improving the Management of Depression Faculty Training Meeting. Atlanta, Georgia. September 25-27, 1998.
10. "Long-term Treatment of Chronic and Recurrent Depression," Department of Psychiatry Grand Rounds, Dartmouth College School of Medicine. Hanover, New Hampshire. September 29, 1998.
11. "Depression and its Impact on the Body and Mind," Symposium Chairperson, American Psychiatric Association 50th Institute on Psychiatric Services. Los Angeles, California, October 3, 1998.
12. "New Research Findings in the Course and Treatment of Recurrent and Chronic Depression," American Psychiatric Association 50th Institute on Psychiatric Services. Los Angeles, California. October 3, 1998.

International Conferences

1. "Long-term Treatment of Recurrent and Chronic Depression," 2nd Worldwide Psychiatry Speakers' Bureau Meeting. Marrakech, Morocco. March 6, 1998.
2. "The Treatment of Depression with Selective Serotonin Reuptake Inhibitors: A Decade of Discovery," Program Chair and Presenter. Berlin, Germany. March 20-23, 1998.
3. "Long-term Treatment of Recurrent Depression," 21st Colloquium Internationale Neuropsychopharmacologicum (CINP) Congress. Glasgow, Scotland. July 14, 1998.
4. "Long-term Treatment of Chronic Depression: Beyond SSRIs," Program Chair and Presenter, 11th European College of Neuropsychopharmacology Congress (ECNP). Paris, France. October 31-November 4, 1998.
5. "Clinical Course, Morbidity and Undertreatment of Panic Disorder and Social Phobia." 11th European College of Neuropsychopharmacology Congress (ECNP). Paris, France. October 31-November 4, 1998.
6. "Treatment of Depression and Management of Side Effects," Program Chair. 11th European College of Neuropsychopharmacology Congress (ECNP). Paris, France. October 31-November 4, 1998.
7. "Social Functioning and Depression: Looking Beyond the Symptoms." Putting Patients First-The Importance of Social Functioning, 11th European College of Neuropsychopharmacology Congress (ECNP). Paris, France. October 31-November 4, 1998.
8. "The Impact of Pharmacotherapy on Social Functioning." Global Taskforce on Social Functioning, 11th European College of Neuropsychopharmacology Congress (ECNP). Paris, France. October 31-November 4, 1998.

Other Presentations

1. "The Long-term Treatment of Depression," <http://www.cmece.com/courses/psychiatry/lttd/>. Internet CME Presentation, launch date: February 13, 1998.

2. "Current Issues in Antidepressant Treatment: Long-term Treatment of Depression," Program Chair and Presenter. Strategic Implications International Teleconference Series, Spring-Fall 1998.

1999:**National Conferences and Grand Rounds**

1. "The Diagnosis, Clinical Course and Management of Anxiety Disorders in Psychiatric and Primary Care Settings," Memorial Hospital, Grand Rounds. Pawtucket, Rhode Island. January 14, 1999.
2. "Long-term Treatment of Depression," Harvard University School of Medicine, Grand Rounds. Boston, Massachusetts. January 26, 1999.
3. "Long-term Treatment of Recurrent and Chronic Depression," Harbor/UCLA Medical Center, Grand Rounds. Los Angeles, California. March 24, 1999.
4. "Anxiety Disorders: The Long-term, Naturalistic Course and Outcome and Strategies to Treat Anxiety with Comorbid Depression," Dartmouth School of Medicine, Grand Rounds. Hanover, New Hampshire. March 30, 1999.
5. "Chronic Depression-Psychotherapy and Pharmacotherapy: Additive or Synergistic?" 152nd American Psychiatric Association Annual Meeting. Washington, DC. May 16, 1999.
6. "Management of Mental Disorders in Baby Boomers and Beyond," Symposium Chairperson, 152nd American Psychiatric Association Annual Meeting. Washington, DC. May 18, 1999.
7. "Nefazodone HCL, Cognitive Behavioral Analysis System of Psychotherapy (CBASP) and Combination Therapy for the Acute Treatment of Chronic Depression," New Research Presentation, 152nd American Psychiatric Association Annual Meeting. Washington, DC. May 19, 1999.
8. "Chronic Depression-Psychotherapy and Pharmacotherapy: Additive or Synergistic?" Visiting Faculty Program. New York, New York. September 29, 1999.
9. "What Are the Implications of Failing to Achieve Successful Long-Term Maintenance of Major Depression?" New York University School of Medicine, Grand Rounds. New York, New York. September 30, 1999.
10. "The Efficacy of Psychotherapy and Pharmacotherapy in the Treatment of Chronic Depression," 51st Annual Meeting of the Institute on Psychiatric Services. New Orleans, Louisiana. November 1, 1999.
11. "Chronic Depression-Psychotherapy and Pharmacotherapy: Additive or Synergistic?" Sloan Kettering Hospital, Grand Rounds. New York, New York. November 12, 1999.

International Conferences

- "The Long-term Treatment of Depression," Monte Carlo. February 26, 1999.
- "Reboxetine: Improving Patients' Energy, Interest and Motivation," Istanbul, Turkey. March 13, 1999.
- "Chronic Depression: Management Strategies," Barcelona, Spain. April 12, 1999.
- "Social Phobia, Panic Disorder, and Generalized Anxiety Disorder: Five Years of Prospective Data," 12th European College of Neuropsychopharmacology Congress, London, UK. September 22, 1999.
- "Consequences of Long-Term Anxiety," 12th European College of Neuropsychopharmacology Congress, London, UK. September 22, 1999.
- "New Visions in Antidepressant Treatment: The Importance of Early and Sustained Efficacy," 12th European College of Neuropsychopharmacology Congress, London, UK. September 24, 1999.

Other Presentations

- "State-of-the-art Update in the Management of Depression: Long-term Treatment of Depression," Strategic Implications International CME Teleconference Series. Spring-Fall, 1999.
- "Strategies for the Management of Chronic Depression," PsychLINK Live CME television program. March 10, 1999.
- "The Long-term Treatment of Recurrent and Chronic Depression," August A. Fink Foundation CME Teleconference Series. Spring-Fall, 1999.
- "Treating and Living with Affective Disorders," Harbor Healthcare Management CME Symposium. October 7, 1999.

2000:

National Conferences and Grand Rounds

1. "The Long-Term Treatment of Recurrent and Chronic Depression: Definitive Data and Unresolved Issues," Mt. Sinai Medical Center, Grand Rounds. New York, New York. February 8, 2000.
2. "The Long-Term Treatment of Recurrent and Chronic Depression: Definitive Data and Unresolved Issues," Duke University, Grand Rounds. Raleigh-Durham, North Carolina. March 16, 2000.
3. "The Long-Term Treatment of Recurrent and Chronic Depression: Definitive Data and Unresolved Issues," Johns Hopkins University, Grand Rounds. Baltimore, Maryland. May 2, 2000.
4. "Mood Disorders across the Life Cycle," National Psychiatry Alliance, Chicago, Illinois. May 12, 2000.

5. "Chronic Depression: Preventing Recurrence," National Psychiatry Alliance, Chicago, Illinois. May 12, 2000.
6. "Novel Treatments for Depression" 153rd American Psychiatric Association Annual Meeting, Chicago, Illinois. May 14, 2000.
7. "New Treatment Findings on Combining Pharmacotherapy and Psychotherapy for Chronic Depression" 153rd American Psychiatric Association Annual Meeting, Chicago, Illinois. May 16, 2000.
8. "The Long-Term Treatment of Recurrent and Chronic Depression: Definitive Data and Unresolved Issues," Reading Hospital and Medical Center, Grand Rounds, Reading, Pennsylvania. September 26, 2000.
9. "The Long-Term Treatment of Recurrent and Chronic Depression: Definitive Data and Unresolved Issues," Ohio State University, Grand Rounds. Columbus, Ohio. October 11, 2000.
10. "The Long-Term Treatment of Recurrent and Chronic Depression: Definitive Data and Unresolved Issues," University of Massachusetts Medical Center, Grand Rounds. Worcester, MA. October 12, 2000.
11. "What is the Optimal Treatment for Chronic Depression? Psychotherapy or Pharmacotherapy: Additive or Synergistic?" American Psychiatric Institute 2000 Meeting of the Institute on Psychiatric Services. Philadelphia, Pennsylvania. October 26, 2000.
12. "The Long-Term Treatment of Recurrent and Chronic Depression: Definitive Data and Unresolved Issues," American Psychiatric Institute 2000 Meeting of the Institute on Psychiatric Services. Philadelphia, Pennsylvania. October 26, 2000.

International Conferences

1. "State-of-the-art Update in the Management of Depression: Long-term Treatment of Depression," Strategic Implications International CME Teleconference Series, January-April, 2000.
2. "Antidepressant compliance and effective treatment outcome in depression," 23rd Colloquium Internationale Neuropsychopharmacologicum (CINP), Brussels, Belgium. July 10, 2000.
3. "Clinical presentation of generalized anxiety disorder," 23rd Colloquium Internationale Neuropsychopharmacologicum (CINP), Brussels, Belgium. July 11, 2000.
4. "What is the optimal treatment for chronic depression: Psychotherapy and pharmacotherapy: Additive or synergistic?" 23rd Colloquium Internationale Neuropsychopharmacologicum (CINP), Brussels, Belgium. July 11, 2000.
5. "The long-term treatment of chronic major depression and double depression: Psychotherapy and pharmacotherapy," 23rd Colloquium Internationale Neuropsychopharmacologicum (CINP), Brussels, Belgium. July 12, 2000.
6. "Mood and anxiety disorders in the 21st century," Ministers of Health Meetings, Seoul, Korea; and Beijing, Shanghai, Hong Kong, Taipei, China. September 3-24, 2000.

Other Presentations

1. "State-of-the-art Update in the Management of Depression: Long-term Treatment of Depression," Strategic Implications International CME Teleconference Series, January-April, 2000.
2. "Clinical Challenges in the Treatment of Depression," Nationwide Teleconference Series. January 2000.

2001:**National Conferences and Grand Rounds**

- "The Long-Term Treatment of Recurrent and Chronic Depression: Definitive Data and Unresolved Issues," Mt. Sinai Medical Center, Grand Rounds, New York, New York. February 8, 2001.
- "The Long-Term Course and Treatment of Chronic Depression with Pharmacotherapy and Psychotherapy in the New Millennium: Where We Are and Where We Should Be Going," American College of Psychiatrists Annual Meeting, Tucson, Arizona. February 22-23, 2001.
- "The Long-Term Treatment of Recurrent and Chronic Depression: Definitive Data and Unresolved Issues," Johns Hopkins University, Grand Rounds. Baltimore, Maryland. May 2, 2001.
- "Mood Disorders Across the Life Cycle," National Psychiatry Alliance, Chicago, Illinois. May 12, 2001.
- "Chronic Depression: Preventing Recurrence," National Psychiatry Alliance, Chicago, Illinois. May 12, 2001.
- "Novel Treatments for Depression" 154th American Psychiatric Association Annual Meeting. New Orleans, Louisiana. May 14, 2000.
- "New Treatment Findings on Combining Pharmacotherapy and Psychotherapy for Chronic Depression" 154th American Psychiatric Association Annual Meeting. New Orleans, Louisiana. May 15, 2001.
- "Social Phobia and Panic Disorder: Five Years of Prospective Data," Global Research on Anxiety and Depression Network Meeting, Washington, DC. May 10-11, 2001.
- "The Diagnosis, Clinical Course, and Management of Depression in Adolescents and Young Adults," Suicide on College Campuses Roundtable, Washington, DC. May 23-24, 2001.
- "Social Phobia: Eight Years of Prospective Data," Global Research on Anxiety and Depression (GRAD), Martha's Vineyard, Massachusetts. October 4-6, 2001.
- "Reality Check: Real-World Considerations in the Treatment of Mood and Anxiety Disorders." Chair of symposium. American Psychiatric Association, Institute of Psychiatric Services Annual Meeting, Orlando, Florida. October 11, 2001.
- "The Long-Term Course and Treatment of Chronic Depression with Pharmacotherapy and Psychotherapy," Stanford University, Grand Rounds, Stanford, California. November 1, 2001.

International Conferences

1. "Rationale and options for long-term treatment," Budapest, Hungary. March 29-April 1, 2001.

Other Presentations

"State-of-the-art Update in the Management of Depression: Long-term Treatment of Depression," Strategic Implications International CME Teleconference Series, January-April, 2000.

"Clinical Challenges in the Treatment of Depression," Nationwide Teleconference Series. January 2000.

"Managing Patients with Generalized Anxiety Disorder and Depression," Nationwide teleconference series, February-June, 2001.

"The Chronically Depressed Patient," Online CME Broadcast Program, Neuropsychiatric Institute, University of California at Los Angeles, April 6, 2001.

"The burden of depressive disorders. New standards in psychiatry: Optimizing outcomes." Postgrad Institute for Medicine, Trevese, PA: Summer 2001.

"New options for the treatment of depression." Journal of Clinical Psychiatry Online Insight (Online CME Activity): October 2001.

2002:

National Conferences and Grand Rounds

1. "Clinical Management of Patients Failing to Respond to Monotherapy and Patients with Treatment-Refractory Depression," Global Neuroscience Summit, Scottsdale, Arizona. March 16, 2002.
2. "Mood and Social Anxiety Disorders: Long-term Management and Treatment Strategies," Global Neuroscience Summit, Scottsdale, Arizona. March 17, 2002.
3. "New Advances in the Management of Depression," National Conference of Anxiety Disorders Association of America, Austin, Texas. March 21, 2002.
4. "A Prospective Naturalistic 8-year Follow-up of Panic Disorder and Social Phobia," Keynote address, National Conference of Anxiety Disorders Association of America, Austin, Texas. March 22, 2002.
5. "Pharmacotherapy and Psychotherapy: New data on the Long-term Treatment of Chronic Major Depression," Future Leaders in Psychiatry Meeting, Miami, Florida. April 12, 2002.
6. "Atypical Depression: Overview and New Developments," Discussant, Symposium, 155th Annual Meeting of the American Psychiatric Association, Philadelphia, Pennsylvania. May 19, 2002.
7. "Major Depression: Current Treatment Guidelines, Practices and Effectiveness Research," Discussant, Symposium, 155th Annual Meeting of the American Psychiatric Association, Philadelphia, Pennsylvania. May 21, 2002.

8. "Exploring the Facets of Depression: Examining Medical and Psychiatric Comorbidities," Chair, Symposium, APA's Institute on Psychiatric Services (IPS) Meeting, Chicago, Illinois. October 11, 2002.
9. "Diagnosis and Treatment of Depression with Comorbid Anxiety (GAD, SAD, or Panic Disorder)," The Primary Care of Mood Disorders Symposium, Primary Medicine Today (Pri-Med) East conference, Boston, Massachusetts. November 7, 2002.
10. "Key Considerations in Choosing an Antidepressant," Primary Care Roundtable on Depression, Boston, Massachusetts. November 22, 2002.

International Conferences and Meetings

Global Neuroscience Summit, Melbourne, Victoria, Australia. February 1-2, 2002:

1. "Clinical Management of Patients Failing to Respond to Monotherapy and Patients with Treatment-Refractory Depression."
2. "Trends in the Treatment of Major Depressive Disorder and Generalized Anxiety Disorder."
3. "Mood And Social Anxiety Disorders: Long-Term Management and Treatment Strategies."
4. "Diagnosis and Treatment of Depression and Co-Morbid Anxiety Disorders."

Grand Rounds and other forums, Melbourne, Victoria; Sydney, New South Wales; and Brisbane, Queensland. February 4-7, 2002:

5. "The Long-Term Treatment of Depression and Generalized Anxiety Disorders."
6. "The Diagnosis and Treatment of Depression and Co-Morbid Anxiety Disorders."
7. "New Treatment Strategies in the Management Of Depression."
8. "The Diagnosis and Treatment of Chronic Major Depression."
9. "The Treatment of Depression in the New Millennium."

Global Neuroscience Summit, Paris, France. March 8-9, 2002:

10. "Clinical Management of Patients Failing to Respond to Monotherapy and Patients with Treatment-Refractory Depression."
11. "Trends in the Treatment of Major Depressive Disorder and Generalized Anxiety Disorder"
12. "Mood and Social Anxiety Disorders: Long-Term Management and Treatment Strategies"
13. "Rationale and Options for Long-Term Treatment of Depression," Depression: Scientific Experts Meeting IV, Cannes, France. April 5, 2002.

2nd Worldwide Neuroscience Consultants Forum, Lisbon, Portugal:

14. "Mood and Anxiety Disorders: Long-Term Management and Treatment Strategies," Workshop Leader. April 28, 2002.
15. "Re-Evaluating Treatment Outcomes: Defining Meaningful Improvement for Patients," Chair, Plenary Session. April 29, 2002.

Other Presentations

1. "The Concept and Implementation of Methodology to Study Remission in Anxiety and Depressive Disorders," Remission Across Depression and Anxiety Meeting, Vail, Colorado. February 26, 2002.
2. "Acute, Continuation, and Long-term Treatment for Depression: Do all medications have similar efficacy," Chestnut Hill, Massachusetts. September 25, 2002.

2003:**National Conferences and Grand Rounds**

1. "Course of Bipolar Disorder across the Lifespan," Bipolar Care OPTIONS National Faculty Meeting, New York, New York. February 12, 2003; Regional Meeting presentation, Boston, Massachusetts. May 10, 2003.
2. "Striving to Heal the Mind: The Challenge of PTSD," Chair, Symposium, 156th Annual Meeting of the American Psychiatric Association, San Francisco, California. May 21, 2003.
3. "The Long-Term Treatment of Chronic and Major Depression," Grand Rounds, Department of Psychiatry and Behavioral Sciences, Stanford University, Stanford, California. November 6, 2003.

Other Presentations

1. "Remission versus Response: The New Gold Standard of Antidepressant Care," Pharmacologic Treatments of Major Depression: Are Two Mechanisms Really Better Than One? (Roundtable), New York, New York. February 10, 2003.
2. "How Do Antidepressants Work?" New Generation of Antidepressants: Truly Better or Much Ado about Nothing? (Duke University Medical Center's Psychiatry & Behavioral Sciences Program Series), Philadelphia, Pennsylvania; New York, New York; and Boston, Massachusetts. February 14, 15, & 16, 2003.
3. "Clinical Management of Patients Failing to Respond to Monotherapy and Patients with Treatment-Refractory Depression," (roundtable). Emory University, Atlanta, Georgia. September 28, 2003.

2004:**National Conferences and Grand Rounds**

1. "The Long-Term Treatment of Chronic and Major Depression," Grand Rounds (acceptance speech by Dr. Keller as the recipient of the Edward A. Strecker, MD, award), Department of Psychiatry, University of Pennsylvania, Philadelphia, Pennsylvania. January 8, 2004.
2. "Course and Outcome of GAD, Panic Disorder with and without Agoraphobia, and Social Phobia," Second Annual Psychiatric Annals Symposium, New York, New York. March 26, 2004.
3. "The Long-Term Treatment of Recurrent and Chronic Major Depression in 2004: Where Are We and Where Are We Going?" Future Leaders in Psychiatry Symposium, Emory University, West Palm Beach, Florida. April 16, 2004.
4. "The Many Faces of Anxiety: Origins, Pathogenesis, and Management," Chair, Symposium at the 157th Annual Meeting of the American Psychiatric Association, New York, New York. May 2, 2004.
5. "Treatment-Resistant Depression Registry," Symposium on Treatment-Resistant Depression, 157th Annual Meeting of the American Psychiatric Association, New York, New York. May 5, 2004.
6. "Treating Anxiety and Depression: A Look to Utilizing Antidepressants," American Academy of Family Physicians Meeting, Orlando, Florida. October 13, 2004.

International Conferences and Meetings

1. "The Long-Term Treatment of Chronic Major Depression in 2004: Where Are We and Where Are We Going?" U.S.-Cuba Neuroscience Summit, Havana, Cuba. January 17, 2004.
2. "Beyond Depression and Anxiety: Understanding Treatment Myths and Facts," Chair, Satellite Symposium at the 17th ECNP Meeting, Stockholm, Sweden. October 9, 2004.
3. "SSRIs and SNRIs: Perceptions, Facts, and Clinical Outcomes in Unipolar Major Depression," 17th ECNP Meeting, Stockholm, Sweden. October 9, 2004.

Other Presentations

1. "Advances in the Long-Term Treatment of Recurrent and Chronic Depression," Live CME webcast (accredited by Emory University School of Medicine), Washington, DC. September 13, 2004.
2. "The Long-Term Course and Treatment of Anxiety Disorders: Current Knowledge and Future Directions," Innovations in Mental Health Symposium, Skyland Trail, Atlanta, Georgia. November 1, 2004.

2005:**National Conferences and Grand Rounds**

1. "The Long-Term Treatment of Recurrent and Chronic Major Depression in 2005: Where Are We and Where Are We Going?" Future Leaders in Psychiatry Symposium, Emory University, West Palm Beach, Florida. April 16, 2005.
2. "Diagnosis, Long-Term Course, and Treatment of GAD: Current Knowledge and Future Directions," Grand Rounds, Department of Psychiatry and Behavioral Sciences, Stanford University, Stanford, California. April 21, 2005.
3. "Comorbid Depression and Anxiety: When to Start and Continue with Psychotherapy and Pharmacotherapy," as part of symposium "The Impact of Depression and Anxiety on Wellbeing across the Lifecycle," at The 158th Annual Meeting of The American Psychiatric Association, Atlanta, Georgia. May 21, 2005.
4. "Current and Future Treatments of Major Depressive Disorder and Anxiety Disorders," as part of and Chair of symposium "Untangling Depression and Anxiety: A Challenge for Scientists and Clinicians," at The 158th Annual Meeting of The American Psychiatric Association, Atlanta, Georgia. May 22, 2005.
5. "Suicide in College Students: Myths, Facts and a Call to Action," (acceptance speech by Dr. Keller as the recipient of the "Voice of Mental Health Award" from the JED Foundation), 2005 JED Foundation Annual Award Ceremony, Carnegie Hall, New York, NY. June 8, 2005.

2006:**National Conferences and Grand Rounds**

1. "The Long-Term Treatment of Recurrent and Chronic Major Depression: New Paths and Future Directions" Future Leaders in Psychiatry Symposium, West Palm Beach, Florida. May 6, 2006.
2. "Insomnia: Symptom, Syndrome or Disorder," as part of symposium "Insomnia from the Inside-Out (From Neuroscience to Clinical Experience to Public Policy)," at The 159th Annual Meeting of The American Psychiatric Association, Toronto, Ontario, Canada. May 21, 2006.
3. "The Long-Term Treatment of Recurrent Major Depression: New Paths and Future Directions," as part of and Chair of symposium "The Long-Term Clinical Course and Treatment of Recurrent Major Depression in 2006: New Paths and Future Directions," at The 159th Annual Meeting of The American Psychiatric Association, Toronto, Ontario, Canada. May 21, 2006.
4. "An Overview of Depression Registries," as part of symposium "The Past, Present, and Future Therapies for Treatment-Resistant Depression," at the 29th CINP Meeting, Chicago, Illinois. July 9, 2006.

2007:

1. "Preventing Recurrent Depression: Long-Term Treatment of Major Depressive Disorder," <http://www.medfair.com>. Internet CME Activity, launch date: February 1, 2007. Blier P, Keller MB, Pollack MH, Thase ME, Zajecka JM, Dunner DL. J Clin Psychiatry. 2007 Mar;68(3):e06.
2. "The Long-Term Treatment of Recurrent and Chronic Depression in 2007 with Pharmacotherapy, Psychotherapy and the Combination: Different Studies with Different Outcomes- What's The Clinician To Do?" Grand Rounds, Department of Psychiatry and Behavioral Sciences, Northwestern University, Feinberg School of Medicine, Chicago, IL. April 18, 2007.
3. "Pharmacological Management of Depression in the Post-Star*D Era." American Conference of Psychiatric Disorders, New York, NY. September 7, 2007.

GRANT AWARDS: COMPLETED RESEARCH PROJECTS

FUNDING AGENCY	TITLE OF GRANT	DATES	TOTAL DIRECT COSTS	DR. KELLER'S ROLE
1) NIMH	Children at Risk for Affective Disorders	1980-1985	\$522,033	Co-PI
2) NIMH	Lithium Levels and Neuroleptics in Bipolar Patients	1982-1989	\$1,377,664	Co-PI
3) NIMH	A Follow-up Study of Children with Affective Disorders	1987-1992	\$741,471	PI
4) NIMH	A Controlled Family Study of Attention Deficit Disorder	1988-1991	\$709,448	Co-PI
5) NIMH	APA Field Trial on Major Depression, Dysthymia and Minor Depression	1990-1993	\$100,000	PI and Chair for 5 sites
6) NIMH	Family Treatment of Bipolar Disorder	1992-1998	\$769,209	Consultant
7) NIMH	Lithium Prophylaxis in Adolescents with Bipolar Illness	1992-2002	\$1,888,797 Brown University site; Total funding approx. \$5,500,000	PI and Member of Steering Committee for 3-site Study
8) NIMH #T32 MH19987	Research Training in Combined Treatment Modalities	1997-2002	\$1,126,570	Co-PI; M. Tracie Shea, PhD
9) Wm. T. Grant Foundation, Psychopathology	Psychopathology, Adaptation and Coping in Children at Risk for Affective Disorders	1981-1986	\$268,000	Co-PI
10) MacArthur Foundation	Network I Core Laboratory for Longitudinal Studies	1989-1992	\$120,477	PI
11) E. Merck Industries, Inc. Pharma Division	A Phase III, Randomized Double Blind, Dose Finding Study of Roxindole vs. Placebo in Depressed Outpatients	1993-1994	\$229,380	PI
12) The Upjohn Company	Platelet MAO Levels in Affective Disorders	1980-1984	\$100,000	PI
13) The Upjohn Company	Influence of Depression on Treating Panic Disorder	1986-1992	\$508,000	PI
14) The Upjohn Company	Detection of Anxiety and Depression among Patients in Family Medicine Practices	1991-2000	\$203,597 Brown University site	PI

GRANT AWARDS: COMPLETED RESEARCH PROJECTS (CONT'D)

FUNDING AGENCY	TITLE OF GRANT	DATES	TOTAL DIRECT COSTS	DR. KELLER'S ROLE
15) The Upjohn Company	Harvard Brown Anxiety Research Program	1994-1995	\$2,382,442	PI and Chair of 12-Medical Center Study
16) Hoffman LaRoche	Randomized Clinical Trial to Establish the Efficacy of Treating Social Phobia	1992-1994	\$225,000	Co-PI
17) Pfizer, Inc.	Acute and Continuation Randomized Clinical Trials to Establish the Efficacy of Treating Dysthymia	1992-1995	\$150,000	Co-PI
18) Pfizer, Inc.	Randomized Clinical Trials to Establish the Efficacy of Treating Generalized Anxiety Disorder	1992-1993	\$56,000	Co-PI
19) Pfizer, Inc.	Safety and Efficacy of 3 Doses of Oral CP-88,059-1 in Acute Schizophrenia	1992-1993	\$79,695	Co-PI
20) Pfizer, Inc.	Acute, Continuation, and Maintenance Crossover Randomized Clinical Trials to Establish the Efficacy of Treating Double Depression	1992-1998	\$1,060,000; Brown University site; Total funding approx. \$13,000,000	PI and Chair for 12-Medical Center Study
21) Pfizer, Inc.	Acute, Continuation, and Maintenance Crossover Randomized Clinical Trials to Establish the Efficacy of Treating Chronic Major Depression	1992-1998	\$620,000 Brown University site; Total funding approx. \$7,000,000	PI and Chair for 12-Medical Center Study
22) Pfizer, Inc.	Double-Blind Parallel Comparison of Sertraline and Placebo in Patients with a DSM-IV Diagnosis of Alcohol Dependence and Co-Morbid Depression	1996-1999	\$236,000 Brown University site; Total funding approx. \$5,000,000 (administered by Roger Williams Med Ctr/Butler Hospital)	PI and Chair for 12-Medical Center Study
23) Pfizer, Inc.	An 8-Week Parallel-Group, Double-Blind, Placebo Controlled Study of Sertraline in the Treatment of Elderly Outpatients with Major Depression	1997-1998	\$71,250 Brown University site; (administered by Butler Hospital)	PI
24) Pfizer, Inc.	An 8-Week, Multicenter, Parallel-Group, Double-Blind, Placebo Controlled Study of St. John's Wort in Outpatients with DSM-IV Major Depression	1998-2001	\$200,000 Brown University site; (administered by Lifespan at RI Hospital)	PI and Co-Chair, Steering Committee for 10-Medical Center Study

GRANT AWARDS: COMPLETED RESEARCH PROJECTS (CONT'D)

FUNDING AGENCY	TITLE OF GRANT	DATES	TOTAL DIRECT COSTS	DR. KELLER'S ROLE
25) SmithKline Beecham	A Multi-center, Double-blind, Placebo Controlled Study of Paroxetine and Imipramine in Adolescents with Unipolar Major Depression	1993-1998	Approx. \$800,000 Brown University site; Total funding approx. \$5,000,000	PI and Coordinating PI of 12-Medical Center Study
26) SmithKline Beecham	Prospective Naturalistic Follow-up Study of Unipolar Depression in Adolescents	1997-1999	\$20,000 Brown University site; Total funding approx. \$500,000	PI and Chair for 12-Medical Center Study
27) Bristol-Myers Squibb	Acute, Continuation, Crossover and Maintenance Study of the Treatment of Chronic Major Depression with Cognitive Behavior Therapy alone, Nefazodone Alone, and in Combination	1995-2001	Approx. \$960,000 Brown University site; Total funding approx. \$25,000,000 (administered by RI Hospital)	PI and Chair for 12-Medical Center Study
28) Bristol-Myers Squibb	A Multisite Study of a Slow Release "Patch" of Buspirone to Treat Children and Adolescents with Attention Deficit Disorder	1997-1998	\$100,000 Brown University site (administered by RI Hospital)	PI
29) Organon	Placebo-Controlled Study of Relapse Prevention by Long-Term Treatment with Remeron in Outpatients with Recurrent Major Depressive Episode	1997-1999	\$360,000 Brown University site (administered by RI Hospital)	PI and Co-Chair for 12-Medical Center Study
30) Forest Laboratories	An Open-Label Evaluation of the Efficacy, Safety and Dosing of Citalopram in Outpatients with Depression	1998-1999	\$40,040 Brown University site (administered by Butler Hospital)	PI
31) Forest Laboratories	A Randomized, Double-Blind, Placebo-Controlled Trial of Citalopram in Depressed Patients at Least 75 Years of Age	1998-2001	\$200,000 Brown University site; (administered by Butler Hospital)	PI
32) Wyeth-Ayerst	Double-blind, Placebo-Controlled Study of Treatment of Depression in Adolescents	1998-2000	\$196,000 Brown University site	PI
33) Wyeth	An Open-Label Randomized Assessment of the Efficacy and Tolerability of Venlafaxine ER in Selective Serotonin Reuptake Inhibitor (SSRI)-Failure Patients with Major Depression	1999	\$81,180 Brown University site (administered at RIH)	Investigator with 3-site study

GRANT AWARDS: CURRENT RESEARCH PROJECTS

FUNDING AGENCY	TITLE OF GRANT	DATES	TOTAL DIRECT COSTS	DR. KELLER'S ROLE
1) NIMH #5R01MH25478-28	Collaborative Depression Study on the Psychobiology of Depression	1976-2009	\$7,169,378 Mass General Hospital Brown Univ site; Total funding approx. \$32,000,000	PI and Chair for 5-Medical Center Study
2) NIMH #2R01MH51415	The Harvard/Brown Anxiety Research Project (HARP)	1994-2008	\$4,205,195 Brown	PI
3) NIMH #R01MH50837	Collaborative Longitudinal Study of Personality Disorders	1996-2009	\$2,296,205 Brown University site; Total funding approx. \$7,000,000	Co-PI; Member of Steering Committee of 4-Site Study
4) NIMH #R01MH59691	Course and Outcome for Adolescents with Bipolar Illness (COBY)	2000-2011	\$3,384,131 Brown; University (with Bradley Hospital subcontract) Total funding approx. \$11,000,000	PI and Member of Steering Committee of 3-site Study
5) NIMH #U10MH62014	Treatment of SSRI-Resistant Depression in Adolescents (TORDIA)	2000-2007	\$1,007,450 Brown University site; (administered at Brown with RI and Bradley Hospitals subcontract; Total funding approx. \$12,600,000	PI and member of Steering Committee for 6-site Study
6) NIMH #1U10 MH61590-01A2	CBASP for Treatment of Chronic Depression (also known as REVAMP: Research Evaluating the Value of Augmenting Medication with Psychotherapy	2002-2009	\$1,009,244 Brown University site; Total funding over \$9,000,000 (approx.)	PI; Member of Steering Committee
7) Pfizer, Inc.	The Primary Care Anxiety Disorders Program	1997-	\$6,952,763 Brown University site	PI
8) Department of Defense	Establishing the Parameters of Virtual Reality Environments in the Treatment of PTSD (VR-PTSD)	2007-2009	\$356,000	PI

UNIVERSITY AND HOSPITAL TEACHING ROLES:

Massachusetts General Hospital (Harvard Medical School):

Developed and taught:

- 1975-1986 Seminar on psychopathology for residents in psychiatry, Massachusetts General Hospital (MGH)
- 1977-1979 Course on psychopathology, Harvard School of Public Health
- 1978-1986 Introduction to Psychotherapy seminar for residents and psychology interns, MGH
- 1980-1986 Clinical Program for Harvard Medical School Students in outpatient psychiatry
- 1985-1990 Course on affective disorders for residents in psychiatry, MGH
- 1986-1990 Seminar on research methodology for MGH psychiatry residents, psychology trainees, and faculty

Other teaching roles:

- 1976-1986 Chair, weekly clinical evaluation conference for residents in psychiatry, MGH
- 1976-1986 Co-chair, weekly case conference for residents in psychiatry, MGH
- 1976-1989 Clinical Supervisor of Psychotherapy, MGH
- 1976-1989 Lecturer in Continuing Medical Education courses, MGH
- 1977-1980 Clinical Supervisor of Psychotherapy, Boston Institute of Psychotherapy
- 1985-1990 Course Director, MGH Continuing Medical Education course on Affective Disorders (given bi-annually)

Principal Clinical and Hospital Service Responsibilities, MGH:

- 1976-1986 Director, General Psychiatry Practice (Ambulatory Psychiatric Services)
- 1986-1990 Director of Outpatient Research, Department of Psychiatry

Brown University School of Medicine

(Department of Psychiatry & Human Behavior):

- 1990-1995 Seminar on research for adult psychiatry residents
- 1990-1996 Director, Post-Graduate Research Fellowship Program
- 1993- Chairman's Rounds (weekly rounds with residents in general psychiatry; quarterly rounds with child & adolescent psychiatry and triple-board residents [combined pediatrics, psychiatry, and child & adolescent psychiatry])
- 1995- Research Rounds (monthly with full-time faculty at Lifespan and Care New England/VA Medical Center)
- 2001- Journal Club (quarterly with residents in general psychiatry)